

EXPERIMENTS ON LIVING ANIMALS.

RETURN to an Address of the Honourable The House of Commons,
dated 14 July 1921 :—for,

“ RETURN showing the Number of EXPERIMENTS on LIVING ANIMALS during the Year 1920, under LICENCES granted under the Act 39 & 40 Vict. c. 77, distinguishing the Nature of the Experiments (in continuation of Parliamentary Paper, No. 166 of Session 1920).”

Home Office,
21 July 1921.

}

JOHN BAIRD.

(*Sir John Baird.*)

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RETURN showing the Number and Nature of EXPERIMENTS on LIVING ANIMALS during the Year 1920, under LICENCES granted under the Act 39 & 40 Vict. c. 77.

ENGLAND AND SCOTLAND.

SIR,

May 23rd, 1921.

I HAVE the honour to submit the following Report on Experiments performed in England and Scotland during the Year 1920, under the Act 39 & 40 Vict. c. 77, including—

- (a) The names of all persons who have held licences during any part of the year, together with a statement of the Special Certificates which were in force, and of the Registered Places at which the Licences were valid.
- (b) The total number of experiments returned during 1920, classified and arranged according to their nature.

REPORT.

The names of all "registered places" are given in Table I. Thirty-five new places were registered for the performance of experiments, and fourteen places were removed from the register during the year. All licensees were restricted to the registered place or places specified on their licences, with the exception of those who were permitted to perform inoculation experiments in places other than a "registered place," with the object of studying outbreaks of disease occurring in remote districts or under circumstances which render it impracticable to perform the experiment in a "registered place."

The names of all those persons who held licences during 1920 are contained in Table II. The total number of licensees was 776. Reports have been furnished by (or, in a few exceptional cases, on behalf of) these licensees in the form required by the Secretary of State. The reports show that 275 licensees performed no experiments.

Table III. shows the number of the experiments returned by each of the 501 licensees who performed experiments, specifying whether these experiments were done under the licence alone or under any special certificates. The Table is divided into two parts, A. and B., for the purpose of separating experiments which were performed without anæsthetics from experiments in which anæsthetics were used.

The total number of experiments included in Table III. (A.—experiments with anæsthetics) is 6,993.

Of these there were performed—

Under Licence alone ^(a)	-	-	-	-	-	2,027
„ Certificate C.	-	-	-	-	-	248
„ Certificate B.	-	-	-	-	-	4,583
„ Certificate B. + EE.	-	-	-	-	-	135

Table III. (B.) is devoted entirely to inoculations, hypodermic injections, and some few other proceedings, performed without anæsthetics. It includes 63,374 experiments, whereof there were performed—

Under Certificate A.	-	-	-	-	-	63,029
„ Certificate A. + E.	-	-	-	-	-	299
„ Certificate A. + F.	-	-	-	-	-	46

(^a) In experiments performed under licence alone, the animal must, during the whole of the experiment, be under the influence of some anæsthetic of sufficient power to prevent the animal feeling pain; and the animal must, if the pain is likely to continue after the effect of the anæsthetic has ceased, or if any serious injury has been inflicted on the animal, be killed before it recovers from the influence of the anæsthetic which has been administered.

Certificate C. allows experiments to be performed, under the foregoing provisions as to the use of anæsthetics, in illustration of lectures.

Certificate B. exempts the person performing the experiment from the obligation to cause the animal on which the experiment is performed to be killed before it recovers from the influence of the anæsthetic; and when the animal is a dog or a cat, Certificate EE. is also necessary.

Certificate A. allows experiments to be performed without anæsthetics; and when the animal on which the experiment is performed is a dog or a cat, Certificate E. is also necessary.

Certificate F. is required in all cases of experiments on a horse, ass, or mule.



In no case has a Certificate dispensing entirely with the use of anæsthetics been allowed for an operative proceeding more severe than subcutaneous venesection. Serious operations are always required to be performed under an anæsthetic, and all such cases appear therefore in Table III. (A.).

The total number of experiments is 70,367, being 7,490 more than in 1919. The number of experiments included in Table III. (A.) shows an increase of 2,534, and that in Table III. (B.) an increase of 4,956.

Of the 6,993 experiments included in Table III. (A.), 3,058, performed under Certificate B., are simple inoculations into the skin of guinea-pigs, which were anæsthetised in order to keep the animals motionless during the introduction of a minute quantity of the fluid to be tested for the purpose of standardisation. Of the remaining 3,935 experiments in this table, comprising all the cases in which any serious operation is involved, 2,275 were performed under licence alone, or under Certificate C., and therefore come under the provision of the Act that the animal must be kept under an anæsthetic during the whole of the experiment, and must, if the pain is likely to continue after the effect of the anæsthetic has ceased, or if any serious injury has been inflicted on the animal, be killed before it recovers from the influence of the anæsthetic.

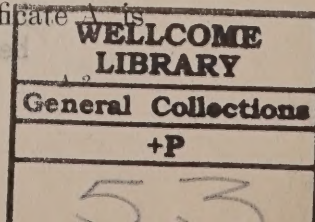
In experiments performed under Certificate B., or B. linked with EE., the initial operations are performed under anæsthetics, from the influence of which the animals are allowed to recover. Except in a few cases, such as, for example, experiments which deal with the efficiency of antiseptics, the operations are required to be performed antiseptically, so that the healing of the wounds shall, as far as possible, take place without pain. If the antiseptic precautions fail, and suppuration occurs, the animal is required to be killed. It is generally essential for the success of these experiments that the wounds should heal cleanly, and the surrounding parts remain in a healthy condition. After the healing of the wounds the animals are not necessarily, or even generally, in pain, since experiments involving the removal of important organs, including portions of the brain, may be performed without giving rise to pain after the recovery from the operation; and after the section of a part of the nervous system, the resulting degenerative changes are painless.

In the event of a subsequent operation being necessary in an experiment performed under Certificate B., or B. linked with EE., a condition is attached to the licence requiring all operative procedures to be carried out under anæsthetics of sufficient power to prevent the animal feeling pain; and no observations or stimulations of a character to cause pain are allowed to be made without the animals being anæsthetised.

In no case has a cutting operation more severe than a superficial venesection been allowed to be performed without anæsthetics.

The experiments included in Table III. (B.), 63,374 in number, are all performed without anæsthetics. They are mostly inoculations, but some are feeding experiments, or the administration of various substances by the mouth or by inhalation, or the abstraction of blood by puncture or simple venesection. In no instance has a certificate dispensing with the use of anæsthetics been allowed for an experiment involving a serious operation.

It will be seen that the operative procedures in experiments performed under Certificate A., without anæsthetics, are only such as are attended by no considerable, if appreciable, pain. The certificate is, in fact, not required to cover these proceedings, but to allow of the subsequent course of the experiment. The experiment lasts during the whole time from the administration of the drug, or injection, until the animal recovers from the effects, if any, or dies, or is killed, a period possibly extending over several days, or even weeks. The substance administered may give rise to poisoning, or set up a condition of disease, either of which may lead to a fatal termination. To administer to an animal such a poison as diphtheria toxin, for example, or to induce such a disease as tuberculosis, although it may not be accompanied by acute suffering, is held to be a proceeding "calculated to give pain," and therefore experiments of the kind referred to come within the scope of the Act 39 & 40 Vict. c. 77. The Act provides that, unless a special certificate be obtained, the animal must be kept under an anæsthetic during the whole of the experiment; and it is to allow the animal to be kept without an anæsthetic during the time required for the development of the results of the administration that Certificate A. is given and allowed in these cases.



It must not be assumed that the animal is in pain during the whole of this time. In cases of prolonged action of an injected substance, even when ending fatally, the animal is generally apparently well, and takes its food as usual, until a short time before death. The state of illness may last only a very few hours, and in some cases it is not observed at all.

In a very large number of the experiments included in Table III. (B.) the results are negative, and the animals suffer no inconvenience whatever from the inoculation. These experiments are therefore entirely painless.

The following "pain condition" is attached to the licence in respect of all experiments under either Certificate A. or Certificate B. :—

If an animal, after and by reason of any of the said experiments under the said Certificate , is found to be suffering pain which is either severe or is likely to endure, and if the main result of the experiment has been attained, the animal shall forthwith be painlessly killed.

If an animal, after and by reason of any of the said experiments, is found to be suffering severe pain which is likely to endure, such animal shall forthwith be painlessly killed, whether the main result of the experiment has been attained or not.

If any animal appears to an Inspector to be suffering considerable pain, and if the Inspector directs such animal to be destroyed, it shall forthwith be painlessly killed.

The returns show that during the year 1920, 6,136 experiments were performed by eleven licensees in the course of cancer investigations. Of these 675 are in Table III. (A.) and 5,461 in Table III. (B.). The latter are almost entirely inoculations into mice, or exposure of animals to radiations.

A large number of experiments, almost wholly simple inoculations and similar proceedings contained in Table III. (B.), were performed either on behalf of official bodies, with a view to the preservation of the public health, or directly for the diagnosis and treatment of disease. Several County Councils and Municipal Corporations have their own laboratories in which bacteriological investigations are carried on, including the necessary tests on living animals; and many others have arrangements by which similar observations are made on their behalf in the laboratories of Universities, Colleges, and other Institutions. A sewage farm is registered as a place in which experiments on living animals may be performed in order that the character of the effluent may be tested by its effects on the health of fish. The Ministry of Health and the Ministry of Agriculture and Fisheries have laboratories which are registered for the performance of experiments having for their object the detection, prevention, and study of diseases of man and animals. In other places experiments have been performed on behalf of the Naval Medical Service, the Army Medical Service, the Royal Air Force, the Army Veterinary Service, the Ministry of Pensions, the Medical Research Council, the Joint Committee on Road Tarring and Fisheries, the West Riding Rivers Board, and the Metropolitan Asylums Board.

One hundred and twenty-eight licensees report nearly 30,000 experiments which were performed for Government Departments, County Councils, Municipal Corporations, or other Public Health Authorities; and 28 licensees performed nearly 27,000 experiments for the preparation and testing of antitoxic sera and vaccines, and for the testing and standardising of drugs.

During the year the several registered places have been frequently visited by the Inspectors, and a large number of experiments have been witnessed. For the most part visits have been made without previous notice. We have found the animals suitably lodged and well cared for, and the licensees generally attentive to the requirements of the Act and the conditions attached to their licences by the Secretary of State.

The irregularities which have been reported are as follows :—

A licensee who held a certificate A., dispensing with the use of anæsthetics, for certain procedures made four inoculations into rabbits, which were not covered by that certificate. When his attention was called to this, he expressed his regret at his inadvertence, and pleaded inexperience. As the irregularity was due to a misunderstanding he was admonished, and his licence was continued with a new certificate.

A licensee, a graduate of a foreign University, who held Certificate A., dispensing with the use of anæsthetics, made inoculations into cats, for which an additional Certificate, E., was necessary. As it was evident that this was due to his misunderstanding the directions which had been given to him, he was allowed to continue his experiments when the requisite certificate had been obtained.

A licensee in the course of a prolonged investigation kept two rabbits without solid food, in one case for 48 hours, in the other for 68 hours. When asked for an explanation he expressed his regret at having done this under a misapprehension, as he did not appreciate that his certificates did not cover these proceedings. In the circumstances the Secretary of State accepted his statement that the contravention was unintentional, and cautioned him as to his future action.

In three instances licensees holding Certificates B., E.E., for certain operations adopted procedures which were not indicated in their Certificates; and in one of these cases the licensee exceeded the number of experiments for which the Certificates were given. When asked for an explanation they expressed their regret that they had transgressed owing to their not having correctly appreciated the limitations of their Certificates. The Secretary of State was satisfied that they had acted under misapprehension, and they were told that the description of experiments given in Certificates must be strictly adhered to, and that only such procedures may be adopted as are authorised by the Certificate.

An applicant for a licence, who had been requested to supply further information with respect to a Certificate B. which he had submitted, but had made no reply, performed five inoculation experiments on rabbits. When asked for an explanation he said that having waited a reasonable time he thought there could be no harm in beginning experiments under licence and Certificate A. The application for a licence was refused.

I have the honour to be,

Sir,

Your obedient Servant,

G. D. THANE,

Chief Inspector.

To the Right Hon. Edward Shortt, K.C., M.P.,
Secretary of State for the Home Department.

Note.—The Advisory Committee appointed by the Secretary of State to assist him with advice in the administration of the Act consists of*—

Sir JOHN ROSE BRADFORD, K.C.M.G., C.B., C.B.E., M.D., D.Sc., F.R.C.P., F.R.S.

Sir HORATIO BRYAN DONKIN, M.D., F.R.C.P.

Sir ALFRED PEARCE GOULD, K.C.V.O., C.B.E., M.S., F.R.C.S.

Sir SEYMOUR JOHN SHARKEY, M.D., F.R.C.P.

Sir CHARTERS JAMES SYMONDS, K.B.E., C.B., M.D., M.S., F.R.C.S., and

WILLIAM BATE HARDY, Esquire, M.A., F.R.S.

* Owing to the lamented death of the Right Honourable the Lord Moulton of Bank, G.B.E., K.C.B., F.R.S., who had been Chairman of the Committee since its inception, there is now a vacancy in the list.

TABLE I.

LIST OF PLACES ON THE REGISTER UNDER THE ACT 39 & 40 VICT. C. 77 IN 1920.

INDEX NO.	NAME OF REGISTERED PLACE.
	<i>Aberdeen :</i>
1	Aberdeen County Council Laboratory, 41½, Union Street, Aberdeen. ^(a)
2	Craibstone Estate, Newhills, Bucksburn.
3	The Laboratory, City Hospital.
4	University ; Department of Pathology.
5	University ; Department of Physiology.
6	University ; Department of Materia Medica.
7	University ; Department of Medical Jurisprudence and Public Health.
8	University ; Department of Natural History.
9	University ; Veterinary Department.
	<i>Aldenham (Herts) :</i>
10	Queensberry Lodge, occupied by the Lister Institute of Preventive Medicine.
	<i>Aldershot :</i>
11	Army Veterinary School.
12	School of Army Sanitation, Middle Hill.
	<i>Alresford (Hants) :</i>
13	Experimental Station of the Joint Fisheries Committee (Tar Pollution) of the Ministries of Agriculture and Fisheries and of Transport. ^(b)
	<i>Ayr :</i>
14	17, Wellington Square, occupied by the County Council of Ayrshire.
15	Ayr District Asylum ; Laboratories and Animal Houses. ^(c)
	<i>Bangour (Linlithgowshire) :</i>
16	Bangour Asylum ; Laboratory and part of a field.
	<i>Birmingham :</i>
17	City Hospital, Lodge Road, Municipal Laboratory. ^(d)
18	Dudley Road Infirmary ; Pathological Laboratory. ^(e)
19	University Buildings, situated between Edmund Street on the South and Great Charles Street on the North.
20	Edgbaston, the Agricultural Laboratory of the University of Birmingham, with an adjoining field.
	<i>Bradford :</i>
21	City Bacteriological Laboratory, 16 and 18, Edmund Street.
	<i>Bridge of Weir (Renfrewshire) :</i>
22	The Laboratory, Consumption Sanatoria of Scotland.
	<i>Bristol :</i>
23	The Laboratory, Messrs. J. S. Fry and Sons, Limited, 28, Union Street. ^(f)
24	University Medical School.

^(a) Registered 24th March 1920.^(b) Registered 11th August 1920.^(c) Registration cancelled 4th November 1920.^(d) Registered 15th September 1920.^(e) Registered 4th March 1929.^(f) Registered 9th January 1920.

INDEX NO.	NAME OF REGISTERED PLACE.
	<i>Burnley :</i>
25	Health Offices, 27, St. James's Street ; Laboratory and Animal Houses.
	<i>Cambridge :</i>
26	The Clinical Laboratory attached to Addenbrooke's Hospital.
27	Research Hospital.
28	University ; Laboratories of the Biological and Medical Schools, New Museums, Milton Road and Huntingdon Road.
	<i>Cardiff :</i>
29	Cardiff and County Public Health Laboratory, 9, The Parade.
30	Cardiff Mental Hospital, Whitchurch ; Pathological Laboratory.
31	University College ; Physiological Department.
	<i>Chatham :</i>
32	Central Military Hospital ; Laboratory.
33	Royal Naval Hospital ; Laboratory.
	<i>Chiseldon (Wilts) :</i>
34	The Laboratory, Special Division Military Hospital. ^(a)
	<i>Colchester :</i>
35	Office and Laboratory of the Medical Officer of Health of the Borough of Colchester, 36, Stanwell Street. ^(b)
36	The District (Military) Laboratory.
	<i>Conway :</i>
37	The Laboratory of the Ministry of Agriculture and Fisheries, Castle Bank, and the Experimental Station. ^(c)
	<i>Dartford (Kent) :</i>
38	Joyce Green Hospital.
	<i>Derby :</i>
39	Laboratory of the County Medical Officer, County Offices, St. Mary's Gate.
	<i>Devonport :</i>
40	Military Hospital ; District Hygiene Laboratory.
	<i>Dumfries :</i>
41	Crichton Royal Institution ; Laboratory and Animal Houses. ^(d)
42	Public Health Laboratories, County Buildings, English Street.
	<i>Dundee :</i>
43	University College Medical School.
	<i>Eastbourne :</i>
44	The Laboratory, Princess Alice Memorial Hospital.
	<i>East Croydon :</i>
45	Addington Park Military Hospital. ^(e)

^(a) Registration cancelled 7th September 1920.^(b) Registration cancelled 9th June 1920.^(c) Registration amended 27th May 1920.^(d) Registration cancelled 10th November 1920.^(e) Registration cancelled 10th February 1920.

INDEX NO.	NAME OF REGISTERED PLACE.
	<i>Edinburgh :</i>
46	Edinburgh and East of Scotland College of Agriculture, Bacteriological Department. ^(a) .
47	Military Hospital, Edinburgh Castle, Central Pathological Laboratory. ^(b)
48	New School of Medicine, Bristo Street, Department of Materia Medica. ^(c)
49	Royal College of Physicians, Laboratory, 2, Forrest Road.
50	Royal (Dick) Veterinary College.
51	Royal Edinburgh Asylum, Laboratories and Animal Houses.
52	Surgeons' Hall, Physiological Laboratory.
53	University ; Forensic Medicine Department.
54	University ; John Usher Institute of Public Health.
55	University ; Materia Medica Department.
56	University ; Natural History Department. ^(d)
57	University ; Pathological Department.
58	University ; Physiological Department.
59	University ; Surgical Department.
	<i>Frimley (Surrey) :</i>
60	Brompton Hospital Sanatorium ; Laboratory.
	<i>Glasgow :</i>
61	Anderson College of Medicine.
62	Glasgow Cancer Hospital; Research Department, Hill Street, Garnethill. ^(e)
63	Glasgow Veterinary College ; Buccleuch Street.
64	Public Health Laboratories and Animal House, Sanitary Chambers, Montrose Street.
65	Ruchill Hospital ; Laboratory and Animal Houses.
66	St. Mungo's College ; Medical Department.
67	Scottish Western Asylums ; Research Institute, 10, Claythorn Road.
68	Small-pox Hospital, Belvedere.
69	University ; Materia Medica Department.
70	University ; Natural History Department.
71	University ; Pathological Department.
72	University ; Physiological Department.
73	University ; Public Health Department.
74	University ; Surgical Department.
75	The Veterinary Hospital, 380, Pollockshaws Road, and the Lodge Field, Nether Auldhouse Farm, Pollockshaws.
	<i>Glenlomond :</i>
76	Fife and Kinross Sauatorium ; The Laboratory. ^(f)
	<i>Greenwich :</i>
77	Royal Naval College ; Pathological Laboratory.
	<i>Hamilton (Lanark) :</i>
78	County Public Health Laboratories and Animal House, County Buildings.
	<i>Harpenden (Herts) :</i>
79	The Laboratory of the Rothamsted Experimental Station.
	<i>Harrogate :</i>
80	The Pathological Laboratory of the Infirmary, 10, Princes Square. ^(g) .
	<i>Hastings :</i>
81	Borough Sanatorium ; Pathological Laboratory. ^(h)

^(a) Registered 30th October 1920.^(b) Registered 23rd June 1920.^(c) Registration cancelled 27th October 1920.^(d) Registered 4th March 1920.^(e) Registration cancelled 3rd September 1920.^(f) Registered 10th November 1920.^(g) Registered 9th July 1920.^(h) Registered 25th August 1920.

INDEX NO.	NAME OF REGISTERED PLACE.
	<i>Hatfield (Herts):</i>
82	Ponsfall's Farm, Newgate Street.
	<i>Hellingly:</i>
83	East Sussex County Asylum; Pathological Laboratory and Animal House. ^(a)
	<i>Ipswich:</i>
84	County Hall; County Laboratory.
85	The Public Health Offices, Elm Street.
	<i>Leeds:</i>
86	University; Medical School.
87	University; Agricultural Laboratories, College Road, and Manor Farm, Garforth.
	<i>Leighton-Buzzard:</i>
88	Cooper Technical Bureau; Shed Field, Billington Manor. ^(b)
	<i>Liverpool:</i>
89	The City Laboratories and University School of Hygiene.
90	J. Bibby and Sons, Ltd., Mill Offices, Waterlow Road, Chemical and Bacteriological Laboratories. ^(c)
91	J. Bibby and Sons, Ltd., The Farm, Broad Green. ^(d)
92	University; Medical and Veterinary Medical Schools.
	<i>London:</i>
93	Apothecaries' Hall; Laboratory.
94	Bedford College for Women, Regent's Park; Physiological Laboratories.
95	Brown Institution, Wandsworth Road.
96	Cancer Hospital, Fulham; Research Institute.
97	Central Research Institute, Medical Research Committee, Mount Vernon, Hampstead.
98	Central Royal Air Force Hospital, Avenue House, Finchley.
99	Charing Cross Hospital Medical School.
100	City of London Hospital for Diseases of the Chest, Victoria Park; Pathological Laboratory. ^(e)
101	Clinical Research Association Laboratories, Watergate House, York Buildings, Adelphi.
102	Examination Hall of the Royal Colleges of Physicians and Surgeons, Queen Square, Bloomsbury; Laboratories.
103	Fishmongers' Hall; the Tank Room.
104	Government Lymph Establishment, Colindale Avenue.
105	Guy's Hospital Medical School.
106	Hospital for Consumption and Diseases of the Chest, Brompton; Laboratories.
107	Hospital for Sick Children, Great Ormond Street; The Pathological Laboratory.
108	King Edward VII. Memorial Institute; Bacterio-therapeutic Department, Morden Hill, Lewisham.
109	King's College; Medical and Scientific Departments.
110	King's College Hospital Medical School, Denmark Hill.
111	King's College for Women; Physiological Laboratories, Household and Social Science Department.
112	Lister Institute of Preventive Medicine, Chelsea.
113	London Hospital Medical College.
114	London Hygienic Chemical Company's Laboratory, Wansey Street Works, S.E. 17. ^(f)
115	London School of Medicine for Women, 8, Hunter Street, Brunswick Square.

^(a) Registration cancelled 24th March 1920.^(b) Registered 25th November 1920.^(c) Registered 23rd November 1920.^(d) Registered 23rd November 1920.^(e) Registered 30th March 1920.^(f) Registered 27th March 1920.

INDEX NO.	NAME OF REGISTERED PLACE.
	<i>London—continued.</i>
116	London School of Tropical Medicine, Royal Victoria and Albert Docks.
117	London School of Tropical Medicine, Endsleigh Gardens, N.W. 1. ^(a)
118	Maudsley Hospital, Denmark Hill ; Laboratory.
119	May and Baker's Laboratories, Bell Lane Wharf, Wandsworth.
120	Middlesex Hospital Medical School and Research Laboratories.
121	Ministry of Agriculture and Fisheries ; Rat Research Laboratory, Mount Pleasant. ^(b)
122	Ministry of Health ; Pathological Laboratory, 22, Carlisle Place, S.W.
123	Messrs. Nathan and Company, Limited, Chemical Research Laboratory, 42A, Bravington Road, W. 5.
124	The Laboratories of Pathology and Public Health, 6, Harley Street, W. 1.
125	Prince of Wales's General Hospital, Tottenham ; Pathological Laboratory.
126	Radium Institute 83, Great Portland Street, W. 1 ; Research Laboratory. ^(c)
127	Rochester Row, Military Hospital ; Laboratory.
128	Royal Army Medical College ; Laboratories, Millbank.
129	Royal Chest Hospital, City Road, E.C. ^(d)
130	Royal Herbert Hospital, Woolwich ; Pathological Laboratories.
131	Royal Institute of Public Health.
132	Royal London Ophthalmic Hospital ; Bacteriological Laboratory.
133	Royal Veterinary College, Camden Town.
134	St. Bartholomew's Hospital Medical School and Pathological Department.
135	St. George's Hospital, Medical School.
136	St. Mary's Hospital Medical School, and the Institute of Pathology and Medical Research. ^(e)
137	St. Thomas's Hospital Medical School.
138	Science Museum, South Kensington, the screened area in Room 9 of the Buckland Collection. ^(f)
139	Special Surgical Neurological Hospital, Church Lane, Tooting. ^(g)
140	University ; Physiological Laboratory.
141	University College ; Medical and Scientific Departments.
142	University College Hospital Medical School.
143	Wellcome Physiological Research Laboratories, Herne Hill.
144	Wellcome Bureau of Scientific Research, 25, 26 and 27 Endsleigh Gardens, N.W. 1. ^(h)
145	West London Hospital ; Pathological Laboratory.
146	Westminster Hospital Medical School, 12, Caxton Street, Westminster.
147	Winchmore Hill Isolation Hospital, World's End, N.
	<i>Loughborough :</i>
148	Midland Agricultural and Dairy College, Sutton Bonington ; Laboratory and Animal House. ⁽ⁱ⁾
	<i>Maidstone :</i>
149	Laboratory of the County Medical Officer of Health, Sessions House.
	<i>Malvern Wells (Worcester) :</i>
150	Shuttlefast Sewage Farm.
	<i>Manchester :</i>
151	Victoria University ; Medical School.
152	Victoria University ; Public Health Laboratories, York Place.

^(a) Registered 22nd April 1920.^(b) Registered 23rd June 1920.^(c) Registered 2nd March 1920.^(d) Registration amended 30th June 1920.^(e) Registration amended 26th July 1920.^(f) Registration amended 12th February 1920 and 13th August 1920.^(g) Registration cancelled 31st December 1920.^(h) Registered 19th May 1920.⁽ⁱ⁾ Registered 29th July 1920.

INDEX NO.	NAME OF REGISTERED PLACE.
	<i>Middlesbrough :</i>
153	Tuberculosis Dispensary, Grange Road, W. ^(a)
	<i>Midhurst :</i>
154	King Edward VII. Sanatorium ; Laboratory.
	<i>Millport :</i>
155	Marine Biological Station.
	<i>Murthly (Perth) :</i>
156	Perth District Asylum ; Laboratory and Animal Houses. ^(b)
	<i>Netley :</i>
157	Ministry of Pensions Welsh Hospital ; Pathological Laboratory. ^(c)
158	Royal Victoria Hospital ; Pathological Laboratory.
	<i>Newcastle-on-Tyne.</i>
159	Ministry of Pensions Hospital, Castle Leazes. ^(d)
160	Pharmaceutical Laboratories and Animal Houses of Brady and Martin, Limited, Northumberland Road.
161	University of Durham College of Medicine.
	<i>Newport (Mon.) :</i>
162	County Public Health Laboratory, County Hall. ^(e)
	<i>Orpington (Kent) :</i>
163	Ministry of Pensions Hospital ; Pathological Laboratory. ^(f)
	<i>Oxford :</i>
164	Laboratory at Cherwell, Linton Road.
165	University Museum ; Laboratories of Physiology, Pathology, and Pharmacology.
	<i>Parkeston Quay (Essex) :</i>
166	H.M.S. "Dahlia" and accompanying Lighter. ^(g)
	<i>Plymouth :</i>
167	Laboratory of the Marine Biological Association, Citadel Hill.
	<i>Porton (Wilts) :</i>
168	War Department Experimental Ground.
	<i>Portsmouth :</i>
169	Royal Naval Hospital, Haslar ; Laboratory.
	<i>Port Sunlight :</i>
170	The Research Laboratories of Messrs. Lever Bros., Limited, at Port Sunlight and at Spital, Cheshire.
	<i>Rainhill :</i>
171	County Asylum ; Pathological Laboratory. ^(h)
	<i>Reading :</i>
172	University College ; Agricultural Laboratory. ⁽ⁱ⁾
173	University College ; Bacteriological Laboratory.
174	University College Farm. ^(j)
175	A field at Shinfield, Berks, in the occupation of University College.

(a) Registration cancelled 18th August 1920.

(b) Registration cancelled 2nd November 1920.

(c) Registered 5th May 1920.

(d) Registered 6th September 1920.

(e) Registered 16th October 1920.

(f) Registered 16th March 1920.

(g) Registered 20th October 1920.

(h) Registered 25th September 1920.

(i) Registered 4th March 1920.

(j) Registered 4th March 1920.

INDEX NO.	NAME OF REGISTERED PLACE.
	<i>Ripley :</i>
176	Wellcome Field Laboratory, Wisley. ^(a)
	<i>Rochester :</i>
177	St. Bartholomew's Hospital ; Pathological Laboratory. ^(b)
	<i>Runcorn :</i>
178	The Runcorn Research Laboratories, Crofton Lodge.
	<i>St. Andrews :</i>
179	University ; Medical School.
	<i>Sheffield :</i>
180	University ; Medical School.
	<i>Shorncliffe :</i>
181	Military Hospital ; Central Laboratory.
	<i>Shrewsbury :</i>
182	Public Health Laboratory, 74, Wyle Cop. ^(c)
	<i>Southport :</i>
183	Pathological Laboratory, The Infirmary. ^(d)
	<i>South Shields :</i>
184	The Bacteriological Laboratory, Municipal Buildings.
	<i>Stafford :</i>
185	The Pathological Laboratory, County Mental Hospital.
	<i>Stoke-on-Trent :</i>
186	North Staffordshire Infirmary, Hartshill ; The Laboratory. ^(e)
	<i>Sutton (Surrey) :</i>
187	Belmont Laboratories and Stables, Stanley Road.
	<i>Swansea :</i>
188	General and Eye Hospital ; Laboratory.
	<i>Tidworth :</i>
189	District Laboratory.
	<i>Wakefield :</i>
190	Public Health Laboratories and Animal House, County Hall.
191	West Riding Asylum ; Pathological Department and Animal House.
192	West Riding of Yorkshire Rivers Board, 71, Northgate ; Laboratory.
	<i>Wareham :</i>
193	The Laboratory of the Royal Naval Cordite Factory, Holton Heath.
	<i>Warrington :</i>
194	Lord Derby War Hospital. ^(f)
	<i>Weston-super-Mare :</i>
195	Public Health Laboratory, 6, Sidney Terrace, Boulevard.
	<i>Weybridge :</i>
196	The Laboratory of the Ministry of Agriculture and Fisheries, New Haw. ^(g)
	<i>Winchester :</i>
197	The County Laboratory, The Castle.

^(a) Registered 22nd September 1920.^(b) Registered 13th May 1920.^(c) Registration cancelled 7th December 1920.^(d) Registered 16th November 1920.^(e) Registered 19th May 1920.^(f) Registration cancelled 19th July 1920.^(g) Registration amended 27th May 1920.

INDEX NO.	NAME OF REGISTERED PLACE.
	<i>Wolverhampton :</i>
198	Laboratory of the Wolverhampton and Staffordshire General Hospital.
	<i>Worcester :</i>
199	County Chemical Laboratory, Shirehall. ^(a)
	<i>Wye (Kent) :</i>
200	South Eastern Agricultural College; Veterinary Laboratory, Animal House and Farm.
	<i>Yeovil :</i>
201	Public Health Offices, 6 South Street; Pathological Laboratory. ^(b)
	<i>York :</i>
202	The City Laboratory, 50, Bootham. ^(c)
203	The County Hospital; The Laboratory. ^(d)
204	Northern Command Laboratory, Military Hospital.

^(a) Registration amended 9th July 1920.

^(b) Registered 10th December 1920.

^(c) Registration cancelled 26th March 1920.

^(d) Registered 13th July 1920.

TABLE II.

Names of Licensees with Certificates (*Certs.*) held by them, and the Index Numbers of the Registered Places (*R.P.*) to which such Licensees were accredited.

Acton, Major H. W., M.R.C.S., L.R.C.P., I.M.S.; <i>Cert. A.; R.P. 97.</i>	Baxter, Miss E. M.; <i>Certs. A., B.; R.P. 143.</i>
Adams, A., M.D., D.P.H.; <i>Cert. A.; R.P. 92.</i>	Bazett, H. C., F.R.C.S.; <i>Certs. A., C.; R.P. 165.</i>
Adams, D. K., M.A., B.Sc., M.B., CH.B., F.R.F.P.S.G.; <i>Certs. A., B.; R.P. 71, 72.</i>	Beattie, J. M., M.D.; <i>Certs. A., B., E., F.; R.P. 89, 92.</i>
Adams, J. E., M.B., B.S.; <i>Certs. A., B.; R.P. 137.</i>	Bedson, S. P., M.B., B.S., B.Sc.; <i>Certs. A., B.; R.P. 112, 161.</i>
Adamson, W. W., M.B.; <i>Cert. A.; R.P. 151.</i>	Bell, Major A. S. G., M.R.C.S., L.R.C.P., R.A.M.C.; <i>Cert. A.; R.P. 128.</i>
Adrian, E. D., M.B., B.C.; <i>Cert. C.; R.P. 28.</i>	Bell, W. B., M.D.; <i>Certs. A., B., EE.; R.P. 92.</i>
Aitken, R., M.D.; <i>Cert. A.; R.P. 49, 57.</i>	Benjafield, J. D., M.D., B.S.; <i>Cert. A.; R.P. 135.</i>
Alexander, R. C., M.B., CH.B., F.R.C.S.; <i>Certs. A., B., EE.; R.P. 57, 59.</i>	Bennett, J. G., M.B.; <i>Cert. C.; R.P. 151.</i>
Allen, H. R., M.R.C.V.S.; <i>Certs. A., E., F.; R.P. 143.</i>	Beesly, L., F.R.C.S.E.; <i>R.P. 49, 58.</i>
Allen, Miss K.; <i>Certs. A., B.; R.P. 143.</i>	Benians, T. H. C., F.R.C.S.; <i>Certs. A.; R.P. 45, 125.</i>
Allison, A., M.B., B.Sc.; <i>Cert. A.; R.P. 73.</i>	Bernhardt, R. A. D. J., L.M.S.S.A.; <i>Certs. A., B.; R.P. 120.</i>
Andrewes, F. W., M.D., F.R.C.P., F.R.S.; <i>Certs. A., B.; R.P. 95, 134.</i>	Biddle, E., M.R.C.S., L.R.C.P.; <i>Cert. A.; R.P. 105.</i>
Andrews, W. H., B.Sc., M.R.C.V.S.; <i>Certs. A., E.; R.P. 133, 141.</i>	Bigland, Mrs. P. M., M.D., CH.B.; <i>Cert. A.; R.P. 92.</i>
Annett, H. E., M.D., D.P.H.; <i>Certs. A., E., F.; R.P. 92, 178.</i>	Bignold, C. A., M.B., CH.B., B.Sc.; <i>Cert. A.; R.P. 14.</i>
Anrep, G. V., M.D.; <i>Certs. B., EE.; R.P. 141.</i>	Billington, S. G., M.B., B.S., F.R.C.S.; <i>Cert. A.; R.P. 198.</i>
Appleton, A. B., M.A., M.R.C.S., L.R.C.P.; <i>Cert. B.; R.P. 28.</i>	Blacklock, B., M.D.; <i>Certs. A., E., F.; R.P. 92, 178.</i>
Arkwright, J. A., M.D.; <i>Certs. A., B., E.; R.P. 10, 112, 166.</i>	Blacklock, J. W. S., M.B., CH.B.; <i>Certs. A., B.; R.P. 71.</i>
Armstrong, R. R., M.D., M.R.C.P.; <i>Certs. A., B.; R.P. 99, 134.</i>	Blaxall, F. R., M.D.; <i>Certs. A.; R.P. 104, 112.</i>
Ashcroft, L. S., M.B., CH.B.; <i>Certs. A., B.; R.P. 89, 92.</i>	Bligh, J. M., M.D.; <i>Certs. A., B., EE.; R.P. 92.</i>
Assinder, E., M.D.; <i>Cert. A.; R.P. 18, 198.</i>	Boock, Miss E. M.; <i>Certs. A., E.; R.P. 143.</i>
Atkin, E. E., M.B.; <i>Certs. A., B.; R.P. 10, 112.</i>	Bolam, R. A., M.D.; <i>Certs. A., C.; R.P. 161.</i>
Atlas, H., F.C.S.; <i>Certs. A., E.; R.P. 114.</i>	Bolton, C., M.D., D.Sc., F.R.S.; <i>Certs. A., B., E., EE.; R.P. 141, 142.</i>
Attwood, Miss A. M. P.; <i>Cert. A.; R.P. 143.</i>	Bond, Miss M., B.Sc.; <i>Cert. A.; R.P. 115.</i>
Bacharach, A. L., B.A.; <i>Cert. A.; R.P. 123.</i>	Boulenger, C. L., D.Sc.; <i>Cert. A.; R.P. 19.</i>
Bacot, A. W., F.E.S.; <i>Cert. A.; R.P. 112.</i>	Boycott, A. E., M.D.; <i>Certs. A., B., E.; R.P. 142, 168.</i>
Bain, W., M.D., M.R.C.P.; <i>R.P. 86, 109.</i>	Briscoe, Mrs. G. M., M.B., B.S.; <i>R.P. 115.</i>
Bainbridge, F. A., M.D., D.Sc., F.R.S.; <i>Certs. A., B., C., E., EE.; R.P. 112, 134, 141.</i>	Briscoe, J. C., M.D., F.R.C.P.; <i>Certs. A., B., EE.; R.P. 110.</i>
Baker, S. L., D.P.H., M.R.C.S., L.R.C.P.; <i>Cert. A.; R.P. 154.</i>	Brooks, R. St. J., M.D., D.P.H.; <i>Certs. A., B.; R.P. 10, 112.</i>
Bamforth, J., M.B., CH.B.; <i>Cert. A.; R.P. 92, 194.</i>	Boyd, F. D., C.M.G., M.D.; <i>R.P. 49.</i>
Barcroft, J., M.A., F.R.S.; <i>Certs. A., B., C., E., EE.; R.P. 28, 109, 140, 168.</i> (Mr. Barcroft was also authorised to perform experiments at the Home Office Experimental Station, Eskmeals, Cumberland.)	Broadhurst, H. C., M.B.; <i>Cert. C.; R.P. 180.</i>
Barratt, J. O. W., M.D., D.Sc.; <i>Certs. A., B., E., EE., F.; R.P. 92, 112, 178.</i>	Brown, E., M.R.C.V.S.; <i>Certs. A., B., F.; R.P. 196.</i>
Barratt, Mrs. M. M., M.B., CH.B.; <i>Certs. A., B., E., EE.; R.P. 112.</i>	Brown, H. C., M.B., B.Sc.; <i>Cert. A.; R.P. 144.</i>
Barrington, F. J. F., M.S., F.R.C.S.; <i>Certs. A., B., EE.; R.P. 142.</i>	Brown, T. G., M.D., D.Sc.; <i>Certs. B., C., EE.; R.P. 31, 49, 72, 92, 151.</i>
Barwise, S., M.D.; <i>Certs. A.; R.P. 39.</i>	Brown, W., M.R.C.V.S.; <i>Cert. A.; R.P. 9.</i>
Bashford, E. F., M.D.; <i>Certs. A., B., E., EE., F.; R.P. 112.</i>	Browning, C. H., M.D.; <i>Certs. A., B., E., EE.; R.P. 71, 72.</i>
Bassett-Smith, Sur.-Rear-Ad. P. W., C.B., R.N.; <i>Certs. A., B.; R.P. 77.</i>	Browning, S. H., M.R.C.S., L.R.C.P.; <i>Cert. A.; R.P. 127, 132.</i>
Bawtree, F., M.R.C.S., L.R.C.P.; <i>Cert. A.; R.P. 137.</i>	Brownlee, J., M.A., M.D., D.Sc., D.P.H.; <i>Cert. A.; R.P. 97, 112.</i>
Bayliss, W. M., D.Sc., F.R.S.; <i>Certs. A., B., C., E., EE.; R.P. 141.</i>	Brownlie, J. L., M.B., CH.B.; <i>Certs. A., B.; R.P. 64.</i>
Bayon, H. P., M.D.; <i>Certs. A., B., E., F.; R.P. 109.</i>	Bruce, A. N., M.D., D.Sc.; <i>Cert. A.; R.P. 55, 58.</i>
	Buchanan, Miss E. B., M.B.; <i>Certs. A., B.; R.P. 64.</i>
	Buchanan, R. M., M.B., C.M.; <i>Certs. A., B., F.; R.P. 63, 64, 68, 75.</i>
	Buckmaster, G. A., M.D., B.Ch.; <i>Certs. A., C.; R.P. 24.</i>

- Bulley, Mrs. E. C.; *Cert. A.*; *R.P.* 28.
 Bulloch, W., M.D., F.R.S.; *Cert. A.*; *R.P.* 113.
 Burn, J. H., B.A.; *Certs. A., E.*; *R.P.* 97, 143.
 Burnford, J. M., M.B.; *Certs. A., B.*; *R.P.* 145.
 Burns, D., M.A., B.Sc.; *Certs. A., B., E., EE.*; *R.P.* 72.
 Burns, J. W., B.A., M.D., CH.B.; *Cert. A.*; *R.P.* 92.
 Burrow, J. le F. C., M.B., M.R.C.P.; *Certs. A., B., EE.*; *R.P.* 86.
 Burton, A. H. G., M.D., B.S., D.P.H.; *Certs. A.*; *R.P.* 131.
 Butterfield, H. G., M.D., B.S.; *Cert. A.*; *R.P.* 142.
 Buttery, Mrs. E. M., M.B., CH.B.; *Cert. A.*; *R.P.* 180.
 Buxton, D. W., M.D.; *R.P.* 109, 142.
 Buxton, J. B., M.R.C.V.S., D.V.H.; *Certs. A., B., E., EE., F.*; *R.P.* 143.
 Buxton, P. A., M.R.C.S., L.R.C.P.; *Certs. A., E., F.*; *R.P.* 28.
 Bywaters, H. W., D.Sc., F.I.C.; *Cert. A.*; *R.P.* 23.
 Cade, Capt. H. M., R.A.M.C.; *Cert. A.*; *R.P.* 84.
 Cairns, J., M.B., CH.B.; *Certs. A., B.*; *R.P.* 65.
 Campbell, J. A., L.R.C.P., L.R.C.S.; *Certs. A., B., E., EE.*; *R.P.* 66.
 Campbell, W., M.B., CH.B.; *Certs. A., B.*; *R.P.* 21, 86.
 Canti, R. G., M.R.C.S., L.R.C.P.; *Cert. A.*; *R.P.* 134.
 Carleton, H. M.; *R.P.* 165.
 Carlier, E. W. W., M.D., M.S., F.R.C.S.; *Cert. C.*; *R.P.* 19.
 Cash, J. T., M.D., F.R.S.; *Certs. A., C.*; *R.P.* 6.
 Cathcart, E. P., M.D., D.Sc.; *Certs. A., B., E., EE.*; *R.P.* 72, 113, 141.
 Catto, Capt. H. W., M.B., B.S., R.A.M.C.; *Cert. A.*; *R.P.* 162, 189.
 Cave, T. W., F.R.C.V.S.; *Cert. A.*; *R.P.* 200.
 (Professor Cave was also authorised to perform experiments in the investigation of the outbreak of diseases in animals at such other place or places as he might consider advisable.)
 Challenger, N. E., M.D.; *Cert. A.*; *R.P.* 180.
 Chambers, Miss H., C.B.E., M.D.; *Certs. A., B.*; *R.P.* 115, 120.
 Charteris, F. J., M.D.; *Cert. A.*; *R.P.* 43, 69, 72.
 Chick, Miss H., D.Sc.; *Certs. A., E.*; *R.P.* 10, 112.
 Chow, A. C. Y., M.B., CH.B.; *Certs. A., B.*; *R.P.* 58.
 Claremont, C. L. L., B.Sc., F.I.C.; *Cert. A.*; *R.P.* 121.
 Clark, A. J., M.D.; *Certs. A., B., C., E.*; *R.P.* 141.
 Clark, G. H., M.B., CH.B., D.P.H.; *Certs. A., B., C.*; *R.P.* 69, 72.
 Clark, Miss H. G., M.D., D.P.H.; *Cert. A.*; *R.P.* 161.
 Clark, Miss M. T. L., M.B., CH.B.; *Certs. A., B.*; *R.P.* 64.
 Clarke, R. H., M.A., M.B., M.R.C.S.; *Certs. B., EE.*; *R.P.* 140, 141.
 Clayton, F. H. A., M.D.; *Cert. A.*; *R.P.* 161.
 Cobbett, L., M.D., F.R.C.S.; *Cert. A.*; *R.P.* 28.
 Cole, S. W., M.A.; *Cert. A.*; *R.P.* 28, 143.
 Colebrook, L., M.B., B.S.; *Certs. A., B., E., EE.*; *R.P.* 97, 136.
 Collins, H. N. W., B.Sc.; *Cert. C.*; *R.P.* 109.
 Cook, R. H., M.D.; *Cert. A.*; *R.P.* 147.
 Cooper, Capt. E. A., B.Sc., R.A.M.C.; *Certs. A., E.*; *R.P.* 12, 19, 112.
 Copeman, S. A. M., M.D., F.R.S.; *Cert. A.*; *R.P.* 128.
 Coplans, M., D.S.O., M.D.; *Cert. A.*; *R.P.* 86, 112, 131.
 Coppinger, Capt. F. R., M.B., D.P.H., R.A.M.C.; *Cert. A.*; *R.P.* 45, 128.
 Corfield, W. F., M.D.; *Cert. A.*; *R.P.* 35.
 Couper, Miss M. M. L., M.B., CH.B.; *Certs. A., B.*; *R.P.* 65.
 Cow, D. V., M.D.; *Certs. A., B., C., E.*; *R.P.* 28, 109, 120.
 Cowan, Lt.-Col. J., M.B., CH.B., R.A.M.C.; *Cert. A.*; *R.P.* 12, 204.
 Coward, Miss K. H., B.Sc.; *Certs. A., E.*; *R.P.* 141.
 Cramer, W., Ph.D., D.Sc.; *Certs. A., B., E., EE., F.*; *R.P.* 102.
 Creed, E. F., B.M., B.Ch.; *Cert. A.*; *R.P.* 110.
 Crew, F. A. E., M.B., CH.B.; *Cert. B.*; *R.P.* 56.
 Crichton, A., M.A., B.Sc.; *Cert. A.*; *R.P.* 2.
 Crocket, J., M.D.; *Cert. A.*; *R.P.* 22.
 Croll, W. F., M.D.; *Cert. A.*; *R.P.* 6.
 Crowe, H. W., M.D., B.Ch.; *Cert. A.*; *R.P.* 86.
 Cruickshank, J., M.D., CH.B.; *Certs. A., B., E., EE., F.*; *R.P.* 4, 41, 82, 102.
 Crump, Miss L. M., M.Sc.; *Cert. A.*; *R.P.* 79.
 Cullis, Miss W. C., D.Sc.; *Cert. C.*; *R.P.* 115.
 Cummins, Col. S. L., M.B., CH.B., A.M.S.; *Cert. A.*; *R.P.* 128.
 Cushny, A. R., M.D., F.R.S.; *Certs. A., B., C., E., EE.*; *R.P.* 55.
 da Fano, C., M.D.; *Certs. A., B., E., EE.*; *R.P.* 102, 109.
 Dale, H. H., C.B.E., M.D., B.C., F.R.S.; *Certs. A., B., C., E., EE., F.*; *R.P.* 97, 112, 141, 143.
 Dalling, T., M.R.C.V.S.; *Certs. A., B., E., EE., F.*; *R.P.* 63. (In the investigation of outbreaks of diseases in animals, Mr. Dalling was also authorised to perform experiments at such other places as he might find necessary, provided he informed the Inspector of the District by telegram of such place or places.)
 Daly, I. de B., M.B.; *Certs. A., B., E., EE.*; *R.P.* 141.
 Dalzell, Miss E. J., M.B., CH.B.; *Cert. A.*; *R.P.* 112.
 Darlington, G. H., M.B., CH.B., D.P.H.; *Cert. A.*; *R.P.* 89, 92.
 Davey, Miss A. J., M.Sc.; *Certs. A., E.*; *R.P.* 112.
 Davies, H. W., M.B., B.S.; *Cert. A.*; *R.P.* 165.
 Davies, Miss L. K., M.B., CH.B.; *Cert. A.*; *R.P.* 16.
 Dawson, Major F. W. W., M.B., L.S.A., R.A.M.C.; *Cert. A.*; *R.P.* 40.
 Dawson, G. D., M.D.; *Cert. A.*; *R.P.* 152.
 Dawson, J. W., M.D., C.M.; *Certs. A., B.*; *R.P.* 49, 57.
 Dean, H. R., M.D.; *Certs. A., B., E., EE.*; *R.P.* 151.
 Delépine, S., M.B., C.M.; *Certs. A., B., E., EE.*; *R.P.* 151, 152.
 Delf, Miss E. M., D.Sc.; *Cert. A.*; *R.P.* 112.
 de Souza, D. H., M.D., D.Sc.; *R.P.* 109.
 Dible, J. H., M.B., CH.B.; *Certs. A., B.*; *R.P.* 151.
 Dickson, W. E. C., M.D.; *Certs. A., B., E., EE.*; *R.P.* 129.
 Dill, A. V., M.B., CH.B.; *Certs. A., B.*; *R.P.* 49, 57.
 Dilling, W. J., M.B., CH.B.; *Certs. A., B., C., E., EE.*; *R.P.* 69.
 Distaso, A., D.Sc.; *Certs. A., B., E.*; *R.P.* 29, 30, 31.
 Dixon, W. E., M.D., F.R.S.; *Certs. A., C., E.*; *R.P.* 28, 109.
 Dobell, C., M.A.; *Certs. A., E.*; *R.P.* 97, 112.
 Dobson, J. F., M.S., F.R.C.S.; *Cert. B.*; *R.P.* 86.
 Dodgson, R. W., M.D.; *Cert. A.*; *R.P.* 37.
 Doi, Y., M.D.; *R.P.* 28, 141.
 Don, A., M.B., C.M.; *Certs. B., EE.*; *R.P.* 4.
 Donald, J., M.D.; *Certs. B., EE.*; *R.P.* 72.
 Donaldson, R., M.B., CH.B.; *Certs. A., B.*; *R.P.* 135, 173.
 Donegan, J. F., M.B., B.Sc.; *R.P.* 141.
 Douglas, Miss C. A., M.B., CH.B.; *Cert. A.*; *R.P.* 21.
 Douglas, C. C., M.D., D.Sc.; *Cert. A.*; *R.P.* 61.
 Douglas, C. G., M.A., M.B., B.Sc.; *Cert. C.*; *R.P.* 165.

- Douglas, J. S. C., M.D., B.CH.; *Certs. A., B.; R.P. 180.*
- Douglas, M., M.D.; *Certs. A., B.; R.P. 163.*
- Douglas, Capt. S. R., M.R.C.S., L.R.C.P.; *Certs. A., B., E., EE.; R.P. 97, 136.*
- Drew, A. H., D.Sc.; *Certs. A., B., E., EE., F.; R.P. 82, 102.*
- Dreyer, G., M.A., M.D.; *Certs. A., B., C.; R.P. 165.*
- Dreyer, N. B., B.A.; *Certs. B., EE.; R.P. 134, 165.*
- Drummond, J. C., B.Sc.; *Certs. A., B., E., EE.; R.P. 96, 109, 141, 174, 175.*
- Drury, A. N., M.D.; *R.P. 142.*
- Dryerre, H., M.R.C.S., L.R.C.P.; *Cert. C.; R.P. 50, 58.*
- Dudgeon, L. S., C.M.G., C.B.E., F.R.C.P., M.R.C.S.; *Certs. A., B., E.; R.P. 102, 137.*
- Dudley, H. W., M.Sc., Ph.D.; *Certs. A., E.; R.P. 86, 87, 97.*
- Dudley, Sur.-Lt.-Comr. S. F., M.B., B.S., R.N.; *Cert. A.; R.P. 169.*
- Duffield, F. A., M.B., CH.B.; *Certs. A., C.; R.P. 92, 180.*
- Dufton, Miss D.; *Certs. A., B., E., EE.; R.P. 28.*
- Duncan, C. C., F.I.C., F.C.S.; *Certs. A., B.; R.P. 150, 199.*
- Duncan, G. M., M.B., C.M.; *Cert. A.; R.P. 4.*
- Duncan, J. T., F.R.C.S., L.R.C.P.; *Cert. A.; R.P. 117.*
- Dunkerly, J. S., B.Sc.; *Cert. A.; R.P. 70, 167.*
- Dunlop, E. M., M.B., CH.B.; *Certs. A., B.; R.P. 57.*
- Dunn, J. S., M.D.; *Cert. A.; R.P. 19.*
- Durham, Miss F. M.; *Cert. A.; R.P. 97, 112.*
- Dyke, S. C., M.B., B.CH., D.P.H.; *Cert. A.; R.P. 137, 161.*
- Eagleton, A. J., M.B., B.S.; *Certs. A., B.; R.P. 143.*
- Eastes, G. L., M.B., B.Sc.; *Cert. A.; R.P. 124.*
- Eastwood, A., M.D.; *Certs. A., B.; R.P. 28, 122.*
- Eastwood, E. H., M.B., CH.B.; *Cert. A.; R.P. 89, 158.*
- Eastwood, Mrs. S. R.; *R.P. 165.*
- Eddie, E. S., M.A., B.Sc.; *Certs. A., B., E., EE.; R.P. 5.*
- Edington, Capt. J. W., M.B., CH.B.; *Cert. A.; R.P. 21, 180, 181.*
- Edkins, J. S., M.D.; *Certs. A., B., E., EE.; R.P. 94, 141.*
- Edkins, Mrs. N., B.Sc.; *Certs. A., B., E., EE.; R.P. 94.*
- Edmunds, A., M.B., B.S.; *Certs. A., B.; R.P. 33, 109.*
- Edmunds, W., M.D., F.R.C.S.; *Certs. A., B., E., EE.; R.P. 95.*
- Edwards, J. T., M.R.C.V.S., B.Sc.; *Certs. A., B., E., F.; R.P. 133.*
- Elliott, Major S. E., R.A.M.C.; *Cert. A.; R.P. 128.*
- Elliott, T. R., C.B.E., D.S.O., M.D., F.R.S.; *Certs. A., B., E., EE.; R.P. 141, 142.*
- Elliott, W. M., M.B., CH.B., D.P.H.; *Cert. A.; R.P. 65.*
- Ellis, A. W. M., M.A., M.B.; *Cert. A.; R.P. 105, 113.*
- Ellis, H. A., M.B., B.CH.; *Cert. A.; R.P. 153.*
- Elworthy, R. R., M.D.; *Cert. A.; R.P. 145.*
- Embleton, D., M.A., M.B., M.R.C.S., L.R.C.P.; *Certs. A., B.; R.P. 142, 158.*
- Eurich, F. W., M.D.; *Cert. A.; R.P. 86.*
- Evans, C. A. L., D.Sc., M.R.C.S.; *Certs. A., B., C., E., EE.; R.P. 97, 112.*
- Evans, H. M., M.D.; *Cert. A.; R.P. 142.*
- Eyre, J. W. H., M.D.; *Certs. A., B.; R.P. 95, 105, 112.*
- Farrant, R., M.C., F.R.C.S., L.R.C.P.; *R.P. 141.*
- Fearis, W. H.; *Cert. A.; R.P. 138.*
- Fenton, J., M.D., D.P.H.; *Cert. A.; R.P. 182.*
- Fildes, P., O.B.E., M.B.; *Certs. A., B., E.; R.P. 113.*
- Findlay, G. M., M.B., CH.B.; *Cert. A.; R.P. 49.*
- Findlay, L., M.D., D.Sc.; *Certs. A., B., EE.; R.P. 63, 71, 72.*
- Fisher, A. G. T., M.C.; *Certs. A., B., E., EE.; R.P. 134, 137.*
- Flack, M. W., M.A., M.B.; *Certs. A., C.; R.P. 97, 113, 128.*
- Fleming, A., M.B., B.S.; *Certs. A., B.; R.P. 136.*
- Fletcher, C., M.B., B.S.; *Cert. A.; R.P. 124.*
- Flint, E. R., M.B., CH.B., F.R.C.S.; *Certs. A., B., E., EE.; R.P. 86.*
- Forsyth, J. A. C., M.Sc., M.B., CH.B.; *Certs. A., B., E., EE.; R.P. 141.*
- Foulerton, A. G. R., F.R.C.S.; *Certs. A., B., E., EE.; R.P. 95, 128, 141, 142.*
- Fraser, A. D., M.A., B.Sc., M.B., CH.B.; *Cert. A.; R.P. 24.*
- Fraser, D. M. M., M.A., M.B.; *Cert. A.; R.P. 4.*
- Fraser, J., M.D., M.Ch.; *Certs. A., B., E., EE.; R.P. 49.*
- Fraser, J. S., M.B., CH.B., F.R.C.S.E.; *Certs. A., B.; R.P. 49.*
- Fraser, Sir T. R., M.D., F.R.S.; *Certs. A., C., E.; R.P. 55.*
- Freeman, J., M.D.; *Certs. A., B.; R.P. 136.*
- Fremlin, H. S., M.R.C.S., L.R.C.P., D.P.H.; *Cert. A.; R.P. 104.*
- Frew, A. W., L.R.C.P., L.R.C.S., D.P.H.; *Cert. A.; R.P. 190.*
- Friel, Capt. A. R., S.A.M.C.; *Cert. A.; R.P. 136, 141.*
- Gaiger, S. H., F.R.C.V.S.; *Certs. A., B., E., EE., F.; R.P. 63.* (In the investigation of outbreaks of diseases in animals, Professor Gaiger was authorised to perform experiments at such other places as he might find necessary, provided he informed the Inspector of the District by telegram of such place or places.)
- Galbraith, C. J., M.B., B.S.; *Cert. A.; R.P. 197.*
- Gardner, A. D., M.B., B.CH., F.R.C.S.; *Certs. A., B.; R.P. 165.*
- Gardner, J. A., M.A., F.I.C.; *Certs. A., E.; R.P. 115, 140.*
- Gaskell, J. F., M.D., F.R.C.P.; *Certs. A., B.; R.P. 28, 134.*
- Gee, C. W., L.R.C.P., L.R.C.S.; *Cert. A.; R.P. 25.*
- Gibbs, O. S.; *Cert. A.; R.P. 49, 55, 57.*
- Gibson, A. G., M.D., B.Sc.; *Certs. A., B.; R.P. 165.*
- Gilchrist, Miss J. C., M.B., CH.B.; *Certs. A., B.; R.P. 64.*
- Gilling, C.; *Cert. A.; R.P. 119.*
- Glaister, J., M.D., F.R.S.E.; *Cert. A.; R.P. 73.*
- Glenny, A. T., B.Sc.; *Certs. A., B., F.; R.P. 143.*
- Gloster, Major T. H., M.B., D.P.H., I.M.S.; *Cert. A.; R.P. 112.*
- Gloyne, S. R., M.D., D.P.H.; *Cert. A.; R.P. 100.*
- Glynn, E. E., M.D.; *Certs. A., B., E., F.; R.P. 92, 178.*
- Glynne, Miss M. D., B.Sc.; *Cert. A.; R.P. 79.*
- Goadby, Sir K., K.B.E., M.R.C.S., D.P.H.; *Certs. A., B., E., EE.; R.P. 112, 130, 141.*
- Gofton, A., F.R.C.V.S.; *Certs. A., E.; R.P. 49, 50.*
- Golding, Capt. J., D.S.O.; *Cert. A.; R.P. 173, 174, 175.*
- Golla, F. L., M.B., CH.B.; *Certs. A., B., EE.; R.P. 118, 135, 140.*
- Gooch, H., M.R.C.V.S.; *Certs. A., B., F.; R.P. 196.*
- Goodall, A., M.D., F.R.C.P.E.; *Certs. A., C.; R.P. 49, 52.*
- Goodall, E., M.D., F.R.C.P.; *Certs. A., B., E., EE.; R.P. 30.*
- Goodbody, F. W., M.D., M.R.C.P.; *Certs. A., B., EE.; R.P. 141.*
- Goodhart, G. W., M.B.; *Certs. A., B.; R.P. 142.*
- Gordon, J., M.B., CH.B.; *Cert. A.; R.P. 86.*
- Gordon, M. H., C.M.G., C.B.E., M.A., M.D.; *Certs. A., B.; R.P. 97, 134.*

- Gorst, P. E., M.B., CH.B.; *Cert. B.*; *R.P.* 92.
 Gow, A. E., M.D.; *Cert. A.*; *R.P.* 134.
 Grace, W. H., M.R.C.S., L.R.C.P., D.P.H.; *Cert. A.*; *R.P.* 101, 105.
 Graham, G., M.D., B.C.; *Certs. A., B., E.*; *R.P.* 134.
 Graham, J. M., M.B., CH.B.; *Certs. B., EE.*; *R.P.* 49, 57, 58, 59.
 Graham-Smith, G. S., M.D., F.R.S.; *Cert. A.*; *R.P.* 28.
 Grant, R. T., M.B., CH.B.; *Cert. A.*; *R.P.* 65.
 Graves, D. S., M.B., B.S.; *Cert. A.*; *R.P.* 145.
 Gray, A. M. H., M.D., F.R.C.S., F.R.C.P.; *R.P.* 142.
 Greaves, Miss A. M. L., L.M.S.S.A.; *Cert. A.*; *R.P.* 113.
 Green, A. B., M.D.; *Cert. A.*; *R.P.* 10, 28, 112.
 Greenfield, J. G., M.B., CH.B., M.R.C.P.; *Certs. A., B., EE.*; *R.P.* 139.
 Greenwood, A., M.D., B.Sc., D.P.H.; *Cert. A.*; *R.P.* 149.
 Griffith, A. S., M.D., D.P.H.; *Certs. A., E., F.*; *R.P.* 28.
 Griffith, F., M.B.; *Certs. A., B.*; *R.P.* 28, 122.
 Grüner, O. C., M.D.; *Certs. A., B., E., EE.*; *R.P.* 86.
 Gulbransen, Miss R.; *Certs. A., B.*; *R.P.* 71.
 Gunn, J. A., M.A., M.D., D.Sc.; *Certs. A., C., E.*; *R.P.* 165.
 Gunn, W. C., M.D.; *Certs. A., B.*; *R.P.* 65.
 Gye, W. E., M.D., CH.B., B.Sc.; *Certs. A., B., E., EE., F.*; *R.P.* 82, 97, 102, 143.
 Haig, H. A., M.B., B.S., M.R.C.S., L.R.C.P.; *Certs. A., B.*; *R.P.* 4.
 Haldane, J. S., M.D., F.R.S.; *Cert. A.*; *R.P.* 112, 164, 165.
 Hall, G., M.D., M.R.C.P.; *Cert. A.*; *R.P.* 161.
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 Hamill, J. M., M.D., D.Sc.; *R.P.* 109, 141.
 Hamill, P., M.A., D.Sc., M.R.C.S.; *Certs. A., C.*; *R.P.* 28, 109, 134.
 Hammond, J., M.A.; *Certs. A., B.*; *R.P.* 28.
 Handley, W. S., M.D.; *Certs. A., B.*; *R.P.* 120.
 Hannay, Miss M. B., M.D.; *Cert. A.*; *R.P.* 101.
 Hanschell, H. McC., D.S.C., M.R.C.S., L.R.C.P.; *Cert. A.*; *R.P.* 116.
 Hanson, Lt. G. F., U.S. Army; *Cert. A.*; *R.P.* 165.
 Harden, A., D.Sc., F.R.S.; *Cert. A.*; *R.P.* 112.
 Harris, D. T., M.B., B.S., B.Sc.; *Certs. A., B., C., E., EE.*; *R.P.* 141.
 Harrison, Lt.-Col. L. W., D.S.O., M.B., CH.B., R.A.M.C.; *Cert. A.*; *R.P.* 127, 128, 137.
 Harding, Miss M. E., M.D., B.S.; *Certs. A., E.*; *R.P.* 97, 112.
 Hartley, P., D.Sc.; *Certs. A., B.*; *R.P.* 10, 112, 143.
 Hartley, P. H. S., C.V.O., M.D.; *R.P.* 134.
 Hartridge, H., M.D.; *Cert. C.*; *R.P.* 28.
 Hartwell, Miss G.; *Cert. A.*; *R.P.* 111.
 Harvey, Col. D., M.D., R.A.M.C.; *Certs. A., B.*; *R.P.* 128.
 Harvey, W. H., M.D.; *Cert. A.*; *R.P.* 28, 109.
 Hata, S., *Cert. A.*; *R.P.* 112.
 Haycraft, J. B., M.D.; *Certs. B., C.*; *R.P.* 31.
 Hayden, A. F., M.B., F.R.C.S.; *Cert. A.*; *R.P.* 136.
 Head, H., M.D., F.R.S.; *Certs. B., EE.*; *R.P.* 141.
 Heath, O., M.A., M.B., B.C.; *Cert. A.*; *R.P.* 124.
 Heathcote, R. St. A., M.A., M.B.; *Certs. A., E.*; *R.P.* 165.
 Hele, Mrs. A. M., B.Sc.; *Certs. A., E.*; *R.P.* 28.
 Hele, T. S., M.D.; *Certs. A., B., C., E., EE.*; *R.P.* 28.
 Henry, H. G. M., M.D., B.S.; *Certs. A., B.*; *R.P.* 17, 112, 143, 167, 180.
 Hermitte, L. C. D., M.B., B.S.; *Cert. A.*; *R.P.* 49, 57.
 Herring, P. T., M.D., C.M.; *Certs. A., B., C., E., EE.*; *R.P.* 28, 179.
 Hewat, A. F., M.B., CH.B.; *Certs. A., B.*; *R.P.* 49.
 Hewer, Miss E. E.; *Certs. A., B.*; *R.P.* 115.
 Hewitt, J. A., B.Sc.; *Cert. A.*; *R.P.* 109, 179.
 Hewlett, R. T., M.D., F.R.C.P.; *Certs. A., B., E., F.*; *R.P.* 95, 99, 109, 116, 143.
 Hicks, J. A. B., M.D., B.S.; *Cert. A.*; *R.P.* 99, 146.
 Higginton, Miss M.; *Certs. A., E.*; *R.P.* 28.
 Hill, A. V., M.A., F.R.S.; *R.P.* 28, 151.
 Hill, L. E., M.B., M.R.C.S., F.R.S.; *Cert. A.*; *R.P.* 97, 112.
 Hillier, W. T., M.R.C.S., L.R.C.P., D.P.H.; *Certs. A., B.*; *R.P.* 19, 136, 142.
 Hine, T. G. M., M.D.; *Cert. A.*; *R.P.* 97, 134.
 Hilton, R., B.A.; *R.P.* 134.
 Hirst, A. S.; *Certs. A., E.*; *R.P.* 112.
 Hitch, Sur.-Lt.-Comr. F. G., M.B., B.S., M.R.C.S., L.R.C.P., R.N.; *Cert. A.*; *R.P.* 33.
 Hoare, C. A., B.Sc.; *Cert. A.*; *R.P.* 144.
 Holmes, G., M.D.; *R.P.* 141.
 Homer, Miss A., D.Sc.; *Certs. A., E., F.*; *R.P.* 10, 28, 112.
 Honeyman, T. J.; *Certs. B., EE.*; *R.P.* 72, 155.
 Hopkins, F. G., M.B., F.R.C.P., F.R.S.; *Certs. A., E.*; *R.P.* 28.
 Horne, R. J. M., M.A., M.B.; *Cert. A.*; *R.P.* 25.
 Hort, E. C., F.R.C.P.; *Cert. A.*; *R.P.* 10, 45, 109, 112.
 Huckle, A. H. H., M.R.C.S., L.R.C.P., D.P.H.; *Cert. A.*; *R.P.* 81.
 Hume, Miss E. M. M.; *Cert. A.*; *R.P.* 112.
 Hume, W. E., M.B., B.C.; *Cert. C.*; *R.P.* 161.
 Hunt, E. L., M.B., B.S., D.P.H.; *Certs. A., B.*; *R.P.* 135.
 Husband, A. D., A.L.C.; *Cert. A.*; *R.P.* 2.
 Hutchens, H. J., D.S.O., M.R.C.S.; *Cert. A.*; *R.P.* 161.
 Huxley, J. S.; *Certs. A., B.*; *R.P.* 165.
 Inchley, O., M.D.; *Cert. A.*; *R.P.* 28.
 Inman, A. C., M.B., CH.B.; *Cert. A.*; *R.P.* 106, 134.
 Innes, J. W., M.B., CH.B.; *Certs. A., B.*; *R.P.* 3, 7.
 Jardine, F. E., M.B., CH.B., F.R.C.S.; *Certs. A., B., E., EE.*; *R.P.* 49.
 Jefferson, G., M.B., M.S., F.R.C.S.; *Certs. A., B., E., EE.*; *R.P.* 151.
 Jephcott, H., M.Sc.; *Cert. A.*; *R.P.* 123.
 Joekes, T., M.D.; *Cert. A.*; *R.P.* 134.
 Johnson, J. P., M.B., B.S., M.R.C.S., L.R.C.P., D.P.H.; *Certs. A., B.*; *R.P.* 10, 112.
 Johnson, J. W. H., M.Sc., F.I.S.; *Cert. A.*; *R.P.* 192.
 Johnston, J. H., M.Sc.; *Cert. A.*; *R.P.* 131, 134.
 Jones, C. P., M.B.; *Cert. A.*; *R.P.* 142.
 Jones, C. O., M.D.; *Cert. A.*; *R.P.* 92.
 Jubb, A. A., M.D., B.Sc.; *Cert. A.*; *R.P.* 192.
 Kanai, S., M.D.; *Certs. A., B.*; *R.P.* 112.
 Keith, T. S., M.B., B.S.; *Cert. A.*; *R.P.* 105.
 Kellaway, C. H., M.D., M.S.; *Certs. A., B., E.*; *R.P.* 97, 112.
 Kennedy, A. M., M.B., CH.B.; *Certs. A., B.*; *R.P.* 66.
 Kennedy, R., M.A., M.D., C.M., D.Sc.; *Certs. A., B., E., EE.*; *R.P.* 63, 72.
 Kennon, R., M.B., CH.B.; *Certs. B., EE.*; *R.P.* 92.
 Kent, A. F. S., M.A.; *Cert. C.*; *R.P.* 24, 165.
 Kettle, E. H., M.D., B.S.; *Certs. A., B.*; *R.P.* 96, 136.
 Kinlock, J. P., M.D.; *Certs. A., B.*; *R.P.* 3, 7.
 Korentchevsky, V., M.D.; *Certs. A., B., E., EE.*; *R.P.* 10, 102, 112.
 Kneale, J. C., M.B.; *Certs. A., E.*; *R.P.* 19.
 Knott, F. A., M.B., B.S., D.P.H.; *Cert. A.*; *R.P.* 101.

- Knowles, Capt. R. H., R.A.V.C.; *Certs.* A., B., F.; *R.P.* 11.
- Krause, R. A., M.D., D.Sc.; *Certs.* A., E.; *R.P.* 49, 57, 58.
- Laidlaw, P. P., M.A., B.C.; *Certs.* A., B., C., EE.; *R.P.* 105, 143.
- Lake, N. C., M.D.; *Certs.* A., B., EE.; *R.P.* 99, 128.
- Lamb, F. W. J. A., M.D.; *Certs.* A., B., C.; *R.P.* 151.
- Lambie, C. G., M.B., CH.B.; *Certs.* A., C., E.; *R.P.* 55.
- Langley, G. J., M.D.; *Certs.* A., B.; *R.P.* 151.
- Langley, J. N., D.Sc., F.R.S.; *Certs.* B., C., EE.; *R.P.* 28.
- Laws, P. C. W., M.A., L.M.S.S.A.; *Cert.* A.; *R.P.* 159, 161.
- Lazarus-Barlow, W. S., M.D.; *Certs.* A., B., E.; *R.P.* 120.
- Leathes, J. B., M.B., F.R.C.S.; *Cert.* C.; *R.P.* 180.
- Lebour, Miss M. V.; *Cert.* A.; *R.P.* 167.
- Ledingham, J. C. G., C.M.G., M.A., M.B., CH.B., D.Sc.; *Certs.* A., B., E., F.; *R.P.* 10, 112.
- Leiper, R. D., M.B., CH.B., D.Sc.; *Certs.* A., B., E.; *R.P.* 116, 117.
- Leishman, Major-Gen. Sir W. B., M.B., F.R.S., R.A.M.C.; *Certs.* A., B.; *R.P.* 128.
- Leitch, A., M.B., CH.B.; *Cert.* A.; *R.P.* 96.
- Lelean, Lt.-Col. P. S., F.R.C.S., R.A.M.C.; *Certs.* A., B.; *R.P.* 128.
- Lepper, Miss E. H., M.B., B.S.; *Certs.* A., B.; *R.P.* 112, 115, 120.
- Levie, A., F.R.C.V.S., F.R.S., Ed.; *Cert.* A.; *R.P.* 148.
- Lewis, C. J., M.D., D.Sc.; *Cert.* A.; *R.P.* 19.
- Lewis, T., M.D., F.R.S.; *Certs.* B., EE., F.; *R.P.* 141, 142. (Dr. Lewis was also authorised to perform experiments at such other registered place or places as might be approved by the Inspector.)
- Leyton, A. S. F., M.A., M.D.; *Certs.* A., B., E., EE.; *R.P.* 26, 28, 165.
- Leyton, Mrs. H. G., M.D.; *Certs.* A., B., E., EE.; *R.P.* 26, 28, 165.
- Leyton, O. F. F., M.A., M.D., F.R.C.P., D.Sc.; *Cert.* C.; *R.P.* 95, 113.
- Lim, R. K. S., M.B., CH.B.; *Certs.* A., B., C., EE.; *R.P.* 58.
- Ling, A. R., M.Sc., F.I.C.; *Cert.* A.; *R.P.* 19.
- Linton, R. G., M.R.C.V.S.; *Certs.* A., F.; *R.P.* 50.
- Littlejohn, H. H., M.A., M.B., B.Sc.; *Cert.* A.; *R.P.* 49, 53.
- Littlejohns, Lt.-Col. A. S., R.A.M.C.; *Cert.* A.; *R.P.* 189.
- Lloyd, Miss D. J., D.Sc.; *Cert.* A.; *R.P.* 28.
- Lloyd, E. C., M.R.C.V.S.; *Cert.* A.; *R.P.* 196.
- Lloyd, W. G., M.B., B.Sc.; *Certs.* A., C.; *R.P.* 86.
- Locke, F. S., M.D.; *R.P.* 109, 140.
- Logan, W. R., M.B., CH.B.; *Cert.* A.; *R.P.* 49.
- Lovell, C., M.D.; *Cert.* A.; *R.P.* 142.
- Levy, A. G., M.D.; *Certs.* A., B., E., EE.; *R.P.* 142.
- Lowe, E. C., M.B., B.S.; *Cert.* A.; *R.P.* 92, 183.
- Lucas, N. S., M.B., CH.B.; *Cert.* A.; *R.P.* 142.
- Lundie, Capt. A., M.B., CH.B., R.A.M.C.; *Cert.* A.; *R.P.* 12.
- Lyon, D. M., M.B., CH.B.; *Certs.* A., B.; *R.P.* 57.
- Lyons, W. C., M.B., CH.B., D.P.H.; *Cert.* A.; *R.P.* 184.
- Lyster, C. R. C., M.R.C.S.; *Cert.* A.; *R.P.* 120.
- Lyster, R. A., M.D., B.Sc.; *Cert.* A.; *R.P.* 197.
- MacAdam, W., M.B., CH.B.; *Cert.* A.; *R.P.* 86.
- McCartney, J. E., M.B., CH.B.; *Cert.* A.; *R.P.* 57.
- McCartney, Mrs. M., M.B., CH.B., B.Sc.; *Cert.* A.; *R.P.* 58.
- MacConkey, A. T., M.B., B.C.; *Certs.* A., B., E., F.; *R.P.* 10, 112.
- McCouch, G. P., M.D.; *Certs.* B., EE.; *R.P.* 31, 165.
- McDonagh, J. E. R., F.R.C.S.; *Certs.* A., B., E., EE.; *R.P.* 134.
- MacDonald, C. R., M.D., D.P.H.; *Cert.* A.; *R.P.* 14.
- Macdonald, J. S., L.R.C.P., L.R.C.S.; *R.P.* 92.
- McDonald, S., M.D., F.R.C.P.E.; *Certs.* A., B., E., EE.; *R.P.* 161.
- McDowall, R. J. S., M.B., CH.B.; *Cert.* C.; *R.P.* 58.
- Macewan, J. A. C., M.B., C.M.; *Certs.* A., B.; *R.P.* 74.
- Macewan, Sir W., M.D., F.R.S.; *Certs.* B., EE.; *R.P.* 74.
- Macewan, W., M.B., C.M.; *Certs.* A., B.; *R.P.* 74.
- Mackarell, W. W., M.D., D.P.H.; *Certs.* A., E.; *R.P.* 92.
- McFadyean, Sir J., M.B., C.M., F.R.S.E.; *Certs.* A., B., E., F.; *R.P.* 133. (Sir J. McFadyean was also authorised to perform experiments at such other place or places as might be approved by the Inspector.)
- McGowan, J. P., M.D.; *Certs.* A., B., E.; *R.P.* 16, 46, 49, 54, 89, 92.
- MacGregor, M. E., M.A., PH.D.; *Cert.* A.; *R.P.* 176.
- McIlroy, Miss A. L., M.D., D.Sc.; *Certs.* A., B., E., EE.; *R.P.* 72, 155.
- McIntosh, J., M.D., CH.B.; *Certs.* A., B.; *R.P.* 113, 120.
- Mackay, Miss H. M. M., M.D., M.R.C.P.; *Certs.* A., E.; *R.P.* 112.
- McKendrick, A., F.R.C.S., F.R.S., Ed.; *Cert.* A.; *R.P.* 51.
- McKendrick, Major A. G., M.B., CH.B., I.M.S.; *Certs.* A., B.; *R.P.* 49.
- Mackenzie, Major J., M.A., M.B., CH.B., D.P.H., R.A.M.C.; *Cert.* A.; *R.P.* 181.
- Mackintosh, A. W., M.D.; *R.P.* 4.
- McLachlan, W., M.D.; *Certs.* A., F.; *R.P.* 187.
- MacLachlen, A. K., M.B., CH.B.; *Cert.* A.; *R.P.* 39.
- McLean, H., M.D., CH.B.; *Certs.* A., B., E., EE.; *R.P.* 137.
- MacLennan, K., B.Sc.; *Cert.* A.; *R.P.* 170.
- McLeod, J. W., M.B., CH.B.; *Certs.* A., B., E., EE.; *R.P.* 86.
- Macnaughton, F. G., M.B., CH.B.; *Cert.* A.; *R.P.* 57, 179.
- McNee, J. W., D.S.O., M.D., CH.B.; *Certs.* A., B., E.; *R.P.* 71, 112, 142.
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- Mair, W., M.D.; *Certs.* A., B., F.; *R.P.* 10, 97, 112, 187.
- Malloch, A., M.D.; *Cert.* A.; *R.P.* 134.
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- Markham, R. G., M.B., B.C.; *Certs.* A., E.; *R.P.* 25, 28.
- Marshall, C. R., M.A., M.D.; *Certs.* A., C., E.; *R.P.* 6, 43.
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- Martin, C. J., M.B., D.Sc., F.R.S.; *Certs.* A., B., C., F.; *R.P.* 112.
- Martin, D., M.B., CH.B., D.P.H.; *Cert.* A.; *R.P.* 184.
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- Mason-Jones, A. G., M.Sc.; *Cert.* A.; *R.P.* 13, 138.
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- Matthews, J. C., M.B., B.C.; *Certs.* A., B.; *R.P.* 136.
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Mellanby, E., M.D.; *Certs. A., B., C., E., EE.; R.P. 28, 95, 111, 113.*
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Miller, S., M.B., B.CH., D.P.H.; *Cert. A.; R.P. 80.*
Minett, Capt. F. C., R.A.V.C.; *Certs. A., F.; R.P. 11.*
Mitchell, A. P., M.D.; *Certs. A., B.; R.P. 49.*
Miura, M., M.D.; *Cert. A.; R.P. 112.*
Miyagawa, Y.; *Certs. A., B.; R.P. 142.*
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Mole, R. H., B.A., M.D., CH.B.; *Certs. A., B., E., EE.; R.P. 89.*
Moody, L. M., M.R.C.S., M.R.C.P.; *Cert. A.; R.P. 110.*
Moore, B., D.S.C., F.R.S.; *Certs. A., E.; R.P. 97.*
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Morgan, W. P., M.B.; *Certs. A., B.; R.P. 29.*
Morris, N., M.B., CH.B., B.S.C., D.P.H.; *Certs. A., B., E., EE.; R.P. 72, 155.*
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Mott, Sir F. W., K.B.E., M.D., F.R.S.; *Cert. A.; R.P. 118.*
Mottram, J. C., M.B., CH.B.; *Certs. A., B.; R.P. 120, 126.*
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- Orr, J. B., D.S.O., M.C., M.A., M.D., D.S.C.; *Certs. A., B.; R.P. 2, 7.*
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- Paine, A., M.D.; *Certs. A., B., E., EE., F.; R.P. 95, 96, 142.*
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Read, W. J., M.S.C., F.I.C.; *Cert. A.; R.P. 195.*
Reah, H., M.B.; *Certs. A., B.; R.P. 3, 7.*
Redman, Miss T., B.S.C.; *Cert. A.; R.P. 89, 92.*
Reid, E. W., M.B., D.S.C., F.R.S.; *Certs. A., C.; R.P. 43.*
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- Renshaw, Mrs. A. A., M.B., CH.B.; *Cert. A.*; *R.P.* 151.
- Renton, J. M., M.B., CH.B.; *Certs. B., EE.*; *R.P.* 72.
- Rettie, T., D.S.C.; *Certs. A., B.*; *R.P.* 16, 49, 57.
- Rice, J. P., B.S.C., M.R.C.V.S.; *Certs. A., B., E.*; *R.P.* 166, 196.
- Ritchie, J., M.D., C.M.; *Certs. A., B., E.*; *R.P.* 49, 53, 57.
- Ritchie, J., M.B., CH.B.; *Cert. A.*; *R.P.* 42.
- Roaf, H. E., M.D., D.S.C.; *Certs. A., C.*; *R.P.* 113, 136.
- Roberts, Capt. ff., M.D., M.R.C.P.; *R.P.* 28.
- Roberts, Capt. H. M., R.A.M.C.; *Certs. A., B., E., EE.*; *R.P.* 112.
- Robertson, A., M.B., CH.B.; *Certs. A., E.*; *R.P.* 116, 117.
- Robertson, Miss M., M.A.; *Cert. A.*; *R.P.* 112.
- Robertson, Capt. R. C., M.C., R.A.M.C.; *Cert. A.*; *R.P.* 128.
- Robertson, W. F., M.D.; *Cert. A.*; *R.P.* 51.
- Robinson, A. L., M.D., F.R.C.S.; *Certs. A., B., E., EE.*; *R.P.* 89.
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- Romanis, W. H. C., M.C., F.R.C.S.; *Certs. B., EE.*; *R.P.* 137.
- Rosedale, J. L., M.A., PH.D.; *Cert. A.*; *R.P.* 2.
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- Ross, Miss S. M., M.D.; *Cert. A.*; *R.P.* 39.
- Runge, Miss B. F.; *Certs. A., B.*; *R.P.* 112, 143.
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- Russ, S., D.S.C.; *Certs. A., B.*; *R.P.* 120.
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- Savage, W. G., M.D., B.S.C., D.P.H.; *Certs. A., E.*; *R.P.* 195.
- Scales, F. S., M.A., M.D., B.C.; *Cert. A.*; *R.P.* 26.
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- Shennan, T., M.D., F.R.C.S.; *Certs. A., B., EE.*; *R.P.* 4.
- Shera, A. G., M.D., B.A., B.C.; *Certs. A., B.*; *R.P.* 44.
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- Sladden, A. F. S., M.A., M.D., B.CH.; *Cert. A.*; *R.P.* 188.
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- Smith, J. Hamilton, *Certs. A., B.*; *R.P.* 199.
- Smith, J. Henderson, M.B., CH.B.; *Certs. A., B.*; *R.P.* 79.
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- Sommerville, D., M.D.; *Cert. A.*; *R.P.* 109.
- Soref, Miss E.; *Certs. A., B., E., EE.*; *R.P.* 143.
- Southgate, H. W., M.B., B.S., B.S.C.; *Cert. A.*; *R.P.* 105.
- Spitta, H. R. D., M.D., B.S., D.P.H.; *Cert. A.*; *R.P.* 118, 135.
- Stammers, A. D., B.A.; *Cert. A.*; *R.P.* 170.
- Starling, E. H., C.M.G., M.D., F.R.S.; *Certs. A., B., C., E., EE.*; *R.P.* 128, 141. (Professor Starling was also authorised to perform certain experiments in relation to the health of troops or munition workers at such place or places as he might consider advisable.)
- Stephens, J. W. W., M.D., D.P.H.; *Certs. A., E.*; *R.P.* 92.
- Stephenson, Miss M.; *Certs. A., E.*; *R.P.* 28.
- Stevenson, A. C., M.B.; *Cert. A.*; *R.P.* 142, 144.
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- Stewart, Lt.-Col. F. H., M.A., D.S.C., M.B., I.M.S.; *Cert. A.*; *R.P.* 10, 112.
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- Stirling, W., M.D., D.S.C.; *Cert. C.*; *R.P.* 151.
- Stockman, R., M.D., F.R.C.P.; *Certs. A., C., E.*; *R.P.* 69.
- Stockman, Sir S., M.R.C.V.S.; *Certs. A., B., E., F.*; *R.P.* 196. (In the investigation of diseases of animals, Sir S. Stockman was authorised to perform experiments at such other place or places as he might consider advisable.)
- Strangeways, T. S. P., M.R.C.S.; *Cert. A.*; *R.P.* 27, 28.
- Südmersen, H. J., PH.D.; *Certs. A., B., E., F.*; *R.P.* 143.
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Tozer, Miss F. M., B.Sc.; Certs. A., E.; R.P. 92,
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Trevar, J. W., M.B., B.S.; Certs. A., B., C., E.,
EE.; R.P. 134, 143.

Tulloch, W. J., M.B., CH.B.; Cert. A.; R.P. 43.

Twort, C. C., M.D.; Cert. A.; R.P. 131, 134.

Twort, F. W., M.R.C.S., L.R.C.P.; Certs. A., E., F.;
R.P. 95.

Underhill, S. W. F., M.A., M.B., CH.B.; Certs. A.,
C., E.; R.P. 134.

Urquhart, A. L., M.B., CH.B., D.P.H.; Cert. A.; R.P.
137.

Usher, C. H., M.B., F.R.C.S.; R.P. 4.

Vaidya, S. K., M.R.C.S., L.R.C.P.; Cert. A.; R.P. 113.

Varvill, Major B., R.A.M.C.; Cert. A.; R.P. 158.

Vaughan, Major E. W., D.S.O., M.C., R.A.M.C.;
Cert. A.; R.P. 11.

Vevers, G. M., M.R.C.S., L.R.C.P.; Certs. A., E.;
R.P. 116, 117.

Vincent, S., M.D.; Cert. C.; R.P. 120.

Wadsworth, T. W., M.D.; R.P. 92.

Walker, E. W. A., M.D.; Cert. A.; R.P. 165.

Walker, C. E., D.Sc., M.R.C.S., L.R.C.P.; Certs. A.,
B.; R.P. 62, 71, 72, 92.

Walker, K. M., L.R.C.S.; Certs. A., B.; R.P. 134.

Walker, Miss M. L., M.A., M.B., B.Sc., CH.B.; Certs.
A., B., C., EE.; R.P. 58.

Wallace, Sir C. S., K.C.M.G., C.B., M.B., F.R.C.S.;
Certs. A., B., E., EE.; R.P. 95, 137.

Wallace, Miss U.; Certs. A., B.; R.P. 143.

Wallace, W. S., M.C., M.B., CH.B., D.P.H.; Cert. A.;
R.P. 65.

Waller, A. D., M.D., F.R.S.; R.P. 140.

Waller, W. W., B.M., B.A., B.Ch.; Certs. A., C.,
E.; R.P. 24, 140.

Walshe, F. M. R., M.D., B.Sc.; Certs. B., EE.;
R.P. 141, 142.

Walton, Lt.-Col. H. B. G., R.A.M.C.; Certs. A., E.;
R.P. 130.

Wang, C. Y., M.B., CH.B., B.Sc.; Certs. A., B.;
R.P. 49.

Ward, Capt. H. K., M.B.; Cert. A.; R.P. 165.

Warren, S. H., M.R.C.S., L.R.C.P., D.P.H.; Cert. A.;
R.P. 142, 161.

Watkins-Pitchford, Lt.-Col. H., F.R.C.V.S.; Certs.
A., F.; R.P. 11.

Watkyn-Thomas, F. W., B.A.; Cert. A.; R.P. 28,
109, 134.

Watson, A.; Certs. B., C., EE.; R.P. 72.

Watson, A. P., O.B.E., M.B., CH.B., F.R.C.S.; Certs.
B., EE.; R.P. 59.

Watson, G. A., M.B., C.M.; Certs. A., E.; R.P. 171.

Watt, J. M., M.B., CH.B.; Certs. A., C.; R.P. 55.

Watts, R. C., M.B.; Cert. A.; R.P. 92.

Wedd, Capt. B. H., M.D., R.A.M.C.; Cert. A.; R.P.
116.

Weir, H. B., M.B., B.C.; Cert. A.; R.P. 99.

Wellings, A. W., L.D.S.; Cert. A.; R.P. 19.

Wells, Major F. M., C.A.D.C.; Cert. A.; R.P. 112.

Wenyon, C. M., M.B., B.S.; Certs. A., B., E., EE.;
R.P. 116, 142, 144.

White, C. P., M.D.; Certs. A., B.; R.P. 151.

White, P. B., D.Sc.; Certs. A., B.; R.P. 4, 189.

White, M., M.A., M.B., CH.B.; Certs. A., B.; R.P.
71.

Whitehouse, H. B., M.S., M.B.; R.P. 19.

Whittingham, Major H. E., M.B., CH.B., R.A.F.;
Certs. A., B.; R.P. 98.

Wilkie, D. P., M.D., CH.M., F.R.C.S.E.; Certs. A.,
B., E., EE.; R.P. 49.

Wilkinson, F. C., M.D., B.D.S.; Cert. B.; R.P. 92.

Willan, R. J., M.S., F.R.C.S.; R.P. 161.

Willcox, W. H., C.B., C.M.G., M.D.; Certs. A., B.,
E., EE.; R.P. 136, 140.

Williams, G. A., M.R.C.S., L.R.C.P.; Cert. A.; R.P.
83.

Williams, R. S., M.B.; Certs. A., E., F.; R.P. 173,
175.

Wilson, G. H., M.B., CH.B.; Cert. A.; R.P. 71, 72.

Wilson, G. S., M.D.; Cert. A.; R.P. 99.

Wilson, J. A., M.B., CH.B.; Certs. A., B.; R.P. 64,
65, 112.

Wilson, J. T., M.D.; Cert. A.; R.P. 78.

Wilson, S. A. K., M.D.; Cert. B.; R.P. 109, 142.

Wingfield, G., B.A.; Certs. A., C., E.; R.P. 28, 86.

Wingfield, R. C., M.B.; Cert. A.; R.P. 60, 137.

Wiseman, W. R., M.B., CH.B.; Certs. A., B.; R.P.
64.

Woglam, W. H., M.D.; Certs. A., B.; R.P. 82, 102.

Wolf, C. G. L., M.D., C.M.; Certs. A., B., E., EE.;
R.P. 28.

Wood, C. D., M.A., M.B., B.Ch.; Cert. A.; R.P. 60.

Wood, G. E. C., M.D., B.Sc.; Certs. A., F.; R.P.
187.

Wood, Lt.-Col. J. L., B.A., M.R.C.S., L.R.C.P., R.A.M.C.;
Cert. A.; R.P. 47.

Wood, T. B., C.B.E., M.A.; Cert. A.; R.P. 28.

Wood, Col. W. A., C.B.E., M.R.C.V.S.; Cert. B.;
R.P. 28.

Woodcock, H. M., D.Sc.; Certs. A., E.; R.P. 10,
112.

Woodhead, Sir G. S., K.B.E., M.D., F.R.C.P., F.R.C.S.;
Certs. A., E.; R.P. 28.

Woodman, E. M., M.S., F.R.C.S.; Certs. A., B.;
R.P. 19.

Woodward, H. M. M., M.R.C.S., L.R.C.P.; Cert. A.;
R.P. 108.

Woolf, A. E. M., F.R.C.S.; Certs. A., B.; R.P. 112.

Woolley, V. J., M.D.; Cert. C.; R.P. 28, 137.

Wordley, E., M.B., B.C., M.R.C.P.; Cert. A.; R.P.
137.

Wragg, Capt. W. G., M.R.C.V.S.; Certs. A., B., F.;
R.P. 196.

Wright, Sir A. E., M.D., F.R.S.; Certs. A., B., E.,
EE.; R.P. 136.

Wright, A. F., M.B., CH.B.; Cert. A.; R.P. 198.

Wright, H. D., B.A., M.B., CH.B.; Cert. A.; R.P.
49, 57.

Wright, S., M.R.C.S., L.R.C.P.; Cert. C.; R.P. 120.

Wyard, S., M.D.; Cert. A.; R.P. 112.

Wyatt, R. B. H., M.A., M.R.C.S., L.R.C.P.; *Certs. A., B.*; *R.P. 19, 143.*

Wyon, G. A., M.D., B.Sc.; *Cert. A.*; *R.P. 86.*

Yabe, S., M.D.; *Certs. A., E.*; *R.P. 55.*

Yamakami, K.; *Cert. A.*; *R.P. 112.*

Yorke, W., M.D.; *Certs. A., B., E., EE., F.*; *R.P. 92, 178.*

Yoshimoto, M., M.D.; *Certs. B., EE.*; *R.P. 58.*

Young, J., M.D., F.R.C.S.E.; *Certs. A., B.*; *R.P. 49.*

Young, J. B., M.B., C.M., D.Sc.; *Cert. A.*; *R.P. 54.*

Young, M., M.D.; *Cert. A.*; *R.P. 97.*

Young, Capt. W. A., B.Sc., M.B., B.S., R.A.M.C.; *Cert. A.*; *R.P. 130.*

Zilva, S. S., Ph.D.; *Certs. A., B.*; *R.P. 10, 112, 174, 175.*

ENGLAND AND SCOTLAND—continued.

TABLE III.

TABLE SHOWING NUMBER OF EXPERIMENTS RETURNED UNDER LICENCE ALONE
AND UNDER CERTIFICATES.

Name of Licensee.	A.—Experiments performed with Anæsthetics. N.B.—In Experiments performed under the licence above or under Certificate C, the animal is required to be kept under the influence of an anæsthetic from before the beginning of the experiment until it is killed.				B.—Experiments of the nature of Simple Inoculations, Hypodermic Injections, and similar proceedings performed without Anæsthetics. N.B.—In no case have Certificates A., E., F., dispensing with the use of anæsthetics, been allowed for an experiment involving a serious operation.			Remarks.
	Under Licence alone.	Under Certificates.			Under Certificates.			
		C.	B.	B.+EE.	A.	A.+E.	A.+F.	
Acton, H. W. - -	—	—	—	—	169	—	—	43 for Medical Research Council.
Adams, D. K. - -	43	—	2	—	22	—	—	
Adrian, E. D. - -	3	4	—	—	—	—	—	
Aitken, R. - -	—	—	—	—	34	—	—	
Alexander, R. C. -	—	—	3	—	—	—	—	For preparation of serum and vaccine.
Allen, H. R. - -	—	—	—	—	190	—	—	
Allen, Miss K. - -	—	—	1,563	—	805	—	—	Inoculations for preparation of serum and standardisation of drugs.
Allison, A. - -	—	—	—	—	4	—	—	41 for a public health authority.
Andrewes, F. W. -	—	—	—	—	46	—	—	
Andrews, W. H. -	—	—	—	—	8	—	—	644 for preparation of serum. 138 for public health authorities.
Annett, H. E. - -	9	—	—	—	1,770	—	6	
Anrep, G. von - -	30	—	—	1	—	—	—	986 for a public health authority.
Appleton, A. B. -	—	—	5	—	—	—	—	
Arkwright, J. A. -	—	—	—	—	1,036	—	—	
Armstrong, R. R. -	—	—	—	—	16	—	—	37 for a public health authority.
Asheroft, L. S. - -	—	—	—	—	80	—	—	
Assinder, E. - -	—	—	—	—	42	—	—	
Atkin, E. E. - -	1	—	8	—	87	—	—	For testing serum. Conjointly with Jephcott, A.
Atlas, H. - -	—	—	—	—	80	2	—	
Attwood, Miss A. -	—	—	—	—	1,694	—	—	
Bacharach, A. L. -	—	—	—	—	46	—	—	68 for public health authorities.
Bacot, A. W. - -	—	—	—	—	1	—	—	
Bainbridge, F. A. -	8	3	—	—	—	—	—	
Baker, S. L. - -	—	—	—	—	20	—	—	For public health authorities. For Naval Medical Service.
Bamforth, J. - -	—	—	—	—	7	—	—	
Barcroft, J. - -	26	8	—	—	2	—	—	
Barratt, Mrs. M. M. -	—	—	—	—	104	—	—	Inoculations for standardisation of serum.
Barrington, F. J. F. -	161	—	84	2	13	—	—	
Barwise, S. - -	—	—	—	—	17	—	—	184 for a public health authority. 176 for a public health authority. For Army Medical Service.
Bassett-Smith, P. W. -	—	—	—	—	128	—	—	
Bawtree, F. - -	—	—	—	—	19	—	—	
Baxter, Miss E. M. -	—	—	14	—	3,686	—	—	184 for a public health authority. 176 for a public health authority. For Army Medical Service.
Bayliss, W. M. - -	21	8	—	—	1	—	—	
Bazett, H. C. - -	102	—	—	—	—	—	—	
Beattie, J. M. - -	—	—	—	—	317	—	—	184 for a public health authority. 176 for a public health authority. For Army Medical Service.
Bedson, S. P. - -	—	—	—	—	222	—	—	
Bell, A. S. G. - -	—	—	—	—	42	—	—	
Bell, W. B. - -	—	—	—	1	30	—	—	184 for a public health authority. 176 for a public health authority. For Army Medical Service.
Benians, T. H. C. -	—	—	—	—	20	—	—	
Benjafield, J. D. -	—	—	—	—	3	—	—	
Biddle, E. - -	—	—	—	—	5	—	—	

ENGLAND AND SCOTLAND—*continued.*TABLE showing Number of Experiments returned, &c.—*continued.*

Name of Licensee.	A.—Experiments performed with Anæsthetics.				B.—Experiments of the nature of <i>Simple Inoculations</i> , and the like, performed without Anæsthetics.			Remarks.
	Under Licence alone.	Under Certificates.			Under Certificates.			
		C.	B.	B.+EE.	A.	A.+E.	A.+F.	
Bigland, Mrs. P. M. -	—	—	—	—	31	—	—	11 for a public health authority.
Bignold, C. A. -	—	—	—	—	83	—	—	For a public health authority.
Billington, S. G. -	—	—	—	—	9	—	—	
Blacklock, B. -	—	—	—	—	25	2	—	
Blaxall, F. R. -	—	—	—	—	3	—	—	For Ministry of Health.
Bolton, C. -	14	—	—	4	—	6	—	
Boock, Miss E. M. -	1	—	—	—	24	—	—	24 for testing and standardisation of drugs.
Boycott, A. E. -	34	—	—	—	113	—	—	
Briscoe, Mrs. G. M. -	27	—	—	—	—	—	—	
Broadhurst, H. C. -	25	—	—	—	—	—	—	
Brooks, R. St. J. -	—	—	—	—	17	—	—	
Brown, H. C. -	—	—	—	—	61	—	—	
Brown, T. G. -	27	—	—	—	—	—	—	
Browning, C. H. -	—	—	—	—	54	—	—	
Brownlie, J. L. -	—	—	—	—	14	—	—	For a public health authority.
Buchanan, Miss C. B. -	—	—	—	—	122	—	—	
Buchanan, R. M. -	—	—	—	—	36	—	—	For a public health authority.
Bulloch, W. -	—	—	—	—	28	—	—	
Burn, J. H. -	15	—	—	—	291	—	—	For Medical Research Council.
Burns, D. -	11	—	—	—	—	1	—	
Burrow, J. le F. -	—	—	1	—	—	—	—	
Buttery, Mrs. E. M. -	—	—	—	—	132	—	—	For a public health authority.
Buxton, J. B. -	—	—	—	—	368	—	1	For preparation of serum and vaccine.
Buxton, P. A. -	—	—	—	—	1	—	4	
Bywaters, H. W. -	—	—	—	—	80	—	—	
Cade, H. M. -	—	—	—	—	6	—	—	4 for a public health authority.
Campbell, J. A. -	—	—	—	—	3	—	—	
Campbell, W. -	—	—	—	—	54	—	—	For a public health authority.
Canti, R. G. -	—	—	—	—	42	—	—	
Catto, H. W. -	—	—	—	—	3	—	—	For a public health authority.
Challenger, N. E. -	—	—	—	—	632	—	—	For a public health authority.
Chambers, Miss H. -	—	—	199	—	—	—	—	For Middlesex Hospital Cancer Research. See Russ, S.
Claremont, C. L. L. -	—	—	—	—	78	—	—	For Ministry of Agriculture and Fisheries.
Clark, A. J. -	2	8	1	—	42	—	—	
Clark, Miss H. G. -	—	—	—	—	124	—	—	114 for public health authorities.
Clark, Miss M. T. L. -	—	—	—	—	358	—	—	For a public health authority.
Clayton, F. H. A. -	—	—	—	—	234	—	—	189 for public health authorities.
Cobbett, L. -	—	—	—	—	49	—	—	
Colebrook, L. -	—	—	13	—	110	—	—	For Medical Research Council.
Cook, R. H. -	—	—	—	—	18	—	—	
Coppinger, F. R. -	—	—	—	—	44	—	—	For Army Medical Service.
Cow, D. V. -	4	3	—	—	180	2	—	
Cramer, W. -	—	—	5	—	217	—	—	For Imperial Cancer Research. See Murray, J. A.
Creed, E. F. -	—	—	—	—	1	—	—	
Crew, F. A. E. -	—	—	30	—	—	—	—	
Crichton, A. -	—	—	—	—	2	—	—	
Crocket, J. -	—	—	—	—	12	—	—	
Cruikshank, J. -	—	—	—	—	156	—	—	For Cancer Research.
Cullis, Miss W. C. -	—	5	—	—	—	—	—	
Cummins, S. L. -	—	—	—	—	47	—	—	For Army Medical Service.

ENGLAND AND SCOTLAND—*continued.*TABLE showing Number of Experiments returned, &c.—*continued.*

Name of Licensee.	A.—Experiments performed with Anæsthetics.				B.—Experiments of the nature of <i>Simple Inoculations</i> , and the like, performed without Anæsthetics.			Remarks.
	Under Licence alone.	Under Certificates.			Under Certificates.			
		C.	B.	B.+EE.	A.	A.+E.	A.+F.	
Cushny, A. R. - -	35	—	—	—	48	7	—	20 conjointly with Lambie, C. G.
Da Fano, C. - -	—	—	—	—	12	—	—	
Dale, H. H. - -	18	—	149	14	—	—	—	For Medical Research Council.
Dalling, T. - -	—	—	—	—	75	—	24	
Daly, I. de B. - -	11	—	—	—	—	—	—	
Darlington, G. H. - -	—	—	—	—	12	—	—	
Davies, H. W. - -	—	—	—	—	—	—	—	See Haldane, J. S.
Davies, L. K. - -	—	—	—	—	9	—	—	
Dawson, G. D. - -	—	—	—	—	431	—	—	407 for public health authorities.
Dean, H. R. - -	—	—	—	—	41	—	—	
Delépine, S. - -	—	—	—	—	77	—	—	73 for public health authorities.
Delf, Miss E. M. - -	—	—	—	—	7	—	—	
Dible, J. H. - -	—	—	4	—	20	—	—	2 for public health authorities.
Dickson, W. E. C. - -	—	—	—	—	3	—	—	
Dill A. V. - -	—	—	—	—	34	—	—	10 for a public health authority.
Dilling, W. J. - -	—	—	—	—	24	—	—	
Distaso, A. - -	—	—	—	—	127	—	—	
Dixon, W. E. - -	31	10	—	—	15	3	—	
Dobson, J. F. - -	—	—	1	—	—	—	—	
Doi, Y. - -	34	—	—	—	—	—	—	
Donegan, J. F. - -	58	—	—	—	—	—	—	
Douglas, C. A. - -	—	—	—	—	15	—	—	For a public health authority.
Douglas, C. C. - -	—	—	—	—	2	—	—	
Douglas, J. S. C. - -	—	—	—	—	416	—	—	394 for a public health authority.
Douglas, M. - -	—	—	—	—	3	—	—	For Ministry of Pensions.
Douglas, S. R. - -	—	—	57	—	227	—	—	For Medical Research Council.
Drew, A. H. - -	—	—	—	—	—	—	—	See Murray, J. A.
Dreyer, G. - -	—	—	—	—	2	—	—	
Dreyer, N. B. - -	25	—	—	—	—	—	—	
Drummond, J. C. - -	—	—	—	—	593	5	—	
Drury, A. N. - -	39	—	—	—	—	—	—	
Dudgeon, L. S. - -	—	—	—	—	4	—	—	
Dudley, H. W. - -	—	—	—	—	6	—	—	For Medical Research Council.
Dudley, S. F. - -	—	—	—	—	12	—	—	For Naval Medical Service.
Duffield, F. A. - -	2	14	—	—	—	—	—	
Duncan, C. C. - -	—	—	—	—	21	—	—	For a public health authority.
Duncan, G. M. - -	—	—	—	—	8	—	—	
Dunkerley, J. S. - -	—	—	—	—	6	—	—	
Dunn, J. S. - -	—	—	—	—	15	—	—	
Durham, Miss F. M. - -	—	—	—	—	5,123	—	—	Testing drugs for Medical Research Council.
Dyke, S. C. - -	—	—	—	—	86	—	—	52 for public health authorities.
Eagleton, A. J. - -	—	—	20	—	598	—	—	606 inoculations for standardisation of serum.
Eastwood, A. - -	—	—	—	—	38	—	—	For Ministry of Health.
Eastwood, E. H. - -	—	—	—	—	1	—	—	
Eastwood, Mrs. S. R. - -	26	—	—	—	—	—	—	
Edington, J. W. - -	—	—	—	—	169	—	—	167 for a public health authority.
Edkins, J. S. - -	29	—	—	—	—	—	—	
Edkins, Mrs. N. - -	32	—	—	—	—	—	—	
Edwards, J. T. - -	—	—	—	—	90	4	—	
Elliott, W. M. - -	—	—	—	—	2	—	—	
Ellis, A. W. M. - -	—	—	—	—	4	—	—	
Elworthy, R. R. - -	—	—	—	—	21	—	—	7 for public health authorities.
Embleton, D. - -	—	—	—	—	119	—	—	

ENGLAND AND SCOTLAND—continued.

TABLE showing Number of Experiments returned, &c.—continued.

Name of Licensee.	A.—Experiments performed with Anæsthetics.				B.—Experiments of the nature of <i>Simple Inoculations</i> , and the like, performed without Anæsthetics.			Remarks.
	Under Licence alone.	Under Certificates.			Under Certificates.			
		C.	B.	B.+EE.	A.	A.+E.	A.+F.	
Evans, C. L. - -	49	—	—	—	6	—	—	For Medical Research Council
Eyre, J. W. H. - -	3	—	—	—	69	—	—	
Fearis, W. H. - -	—	—	—	—	1,685	—	—	For Joint Committee on Road Tarring and Fisheries.
Fildes, P. - -	—	—	6	—	72	—	—	For Ministry of Health. For a public health authority.
Findlay, G. M. - -	—	—	—	—	58	—	—	
Fisher, A. G. T. - -	—	—	2	—	—	—	—	
Fleming, A. - -	—	—	—	—	101	—	—	
Fletcher, C. - -	—	—	—	—	16	—	—	
Forsyth, J. A. C. - -	—	—	—	4	8	4	—	
Foulerton, A. G. R. - -	—	—	—	—	2	—	—	
Fraser, A. D. - -	—	—	—	—	30	—	—	
Fraser, D. M. M. - -	—	—	—	—	5	—	—	
Freeman, J. - -	—	—	—	—	10	—	—	
Fremlin, H. S. - -	—	—	—	—	6	—	—	
Frew, A. W. - -	—	—	—	—	31	—	—	
Gaiger, S. H. - -	—	—	—	—	59	—	6	
Gardner, A. D. - -	—	—	—	—	2	—	—	
Gaskell, J. F. - -	—	—	8	—	43	—	—	
Gee, C. W. - -	—	—	—	—	2	—	—	
Gibbs, O. S. - -	—	—	—	—	4	—	—	
Gibson, A. G. - -	—	—	—	—	6	—	—	
Gilchrist, Miss J. C. - -	—	—	—	—	111	—	—	For a public health authority.
Gilling, C. - -	—	—	—	—	126	—	—	For testing drugs.
Glenny, A. T. - -	—	—	920	—	790	—	—	Inoculations for standardisation of serum.
Gloster, T. H. - -	—	—	—	—	13	—	—	80 for a public health authority.
Gloyne, S. R. - -	—	—	—	—	168	—	—	
Glynn, E. E. - -	—	—	—	—	281	2	—	
Goadby, Sir K. W. - -	—	—	—	—	3	—	—	
Gofton, A. - -	—	—	—	—	36	—	—	
Golding, J. - -	—	—	—	—	16	—	—	For a public health authority.
Gooch, H. - -	—	—	59	—	277	—	—	For Medical Research Council and Ministry of Agriculture and Fisheries.
Goodall, A. - -	23	2	—	—	52	—	—	For Ministry of Agriculture and Fisheries. 59 rabies inoculations.
Goodall, E. - -	—	—	—	—	4	—	—	75 for standardisation of drugs.
Goodhart, G. W. - -	—	—	—	—	33	—	—	
Gordon, M. H. - -	—	—	12	—	120	—	—	
Gorst, P. E. - -	—	—	8	—	—	—	—	
Gow, A. E. - -	—	—	—	—	8	—	—	
Grace, W. H. - -	—	—	—	—	11	—	—	
Grant, R. T. - -	—	—	—	—	14	—	—	
Greaves, Miss A. M. L. - -	—	—	—	—	2	—	—	
Greenfield, J. G. - -	—	—	1	—	3	—	—	
Greenwood, A. - -	—	—	—	—	3	—	—	For a public health authority.
Griffith, A. S. - -	—	—	—	—	290	—	—	For Medical Research Council.
Griffith, F. - -	—	—	6	—	1,151	—	—	For Ministry of Health.
Gulbransen, Miss R. - -	—	—	—	—	636	—	—	
Gunn, J. A. - -	35	14	—	—	28	7	—	
Gye, W. E. - -	—	—	15	—	754	—	—	264 for Imperial Cancer Research.
Haldane, J. S. - -	—	—	—	—	40	—	—	505 for Medical Research Council.
Hall, I. W. - -	—	—	—	—	45	—	—	24 conjointly with Davies, H. W.
Halliburton, W. D. - -	8	5	—	—	—	—	—	41 for public health authorities.

ENGLAND AND SCOTLAND—continued.

TABLE showing Number of Experiments returned, &c.—continued.

Name of Licensee.	A.—Experiments performed with Anæsthetics.				B.—Experiments of the nature of Simple Inoculation, and the like, performed without Anæsthetics.			Remarks.
	Under Licence alone.	Under Certificates.			Under Certificates.			
		C.	B.	B.+EE.	A.	A.+E.	A.+F.	
Hamill, P. - -	30	24	—	—	—	—	—	Inoculations for preparation of serum.
Hammond, J. - -	—	—	3	—	—	—	—	
Handley, W. S. - -	—	—	—	—	5	—	—	
Hannay, Miss M. B. - -	—	—	—	—	4	—	—	
Harden, A. - -	—	—	—	—	338	—	—	
Harding, Miss M. E. - -	2	—	—	—	124	6	—	
Harris, D. T. - -	24	22	—	—	—	—	—	
Hartley, P. - -	—	—	199	—	215	—	—	
Hartridge, H. - -	—	3	—	—	—	—	—	
Hartwell, Miss G. - -	—	—	—	—	378	—	—	
Harvey, W. H. - -	—	—	—	—	14	—	—	See Hele, T. S. Conjointly with Hele, Mrs. A. M. For a public health authority.
Hata, S. - -	—	—	—	—	44	—	—	
Haycraft, J. B. - -	15	6	—	—	—	—	—	
Hayden, A. F. - -	—	—	—	—	30	—	—	
Heath, O. - -	—	—	—	—	11	—	—	
Heathcote, R. St. A. - -	6	—	—	—	75	7	—	
Hele, Mrs A. M. - -	—	—	—	—	—	—	—	
Hele, T. S. - -	—	—	—	—	—	7	—	
Henry, H. G. M. - -	—	—	—	—	4	—	—	
Herring, P. T. - -	5	—	—	—	—	—	—	
Hewat, A. F. - -	—	—	—	—	18	—	—	
Hewer, Miss E. E. - -	—	—	—	—	139	—	—	
Hewitt, J. A. - -	31	—	—	—	—	—	—	
Hewlett, R. T. - -	—	—	—	—	74	1	—	
Hicks, J. A. B. - -	—	—	—	—	5	—	—	
Higginton, Miss M. - -	—	—	—	—	—	50	—	
Hill, L. E. - -	23	—	—	—	—	—	—	
Hillier, W. T. - -	—	—	—	—	7	—	—	
Hirst, A. S. - -	—	—	—	—	1	—	—	
Hopkins, F. G. - -	—	—	—	—	27	—	—	See Bacharach, A. L. For West Riding Rivers Board.
Huckle, A. H. H. - -	—	—	—	—	3	—	—	
Hume, Miss E. M. M. - -	—	—	—	—	56	—	—	
Hunt, E. L. - -	—	—	—	—	18	—	—	
Hutchens, H. J. - -	—	—	—	—	2	—	—	
Inchley, O. - -	15	—	—	—	2	—	—	
Inman, A. C. - -	—	—	—	—	1	—	—	
Jefferson, G. - -	—	—	3	—	—	—	—	
Jephcott, H. - -	—	—	—	—	—	—	—	
Joekes, T. - -	—	—	—	—	23	—	—	
Johnson, J. P. - -	—	—	—	—	79	—	—	For a public health authority. 2 for a public health authority. For Medical Research Council.
Johnson, J. W. H. - -	—	—	—	—	15	—	—	
Johnston, J. H. - -	—	—	—	—	2	—	—	
Kanai, S. - -	—	—	—	—	64	—	—	
Keith, T. S. - -	—	—	—	—	36	—	—	
Kellaway, C. H. - -	8	—	—	—	181	23	—	
Kennedy, A. M. - -	—	—	1	—	—	—	—	
Kettle, E. H. - -	—	—	—	—	21	—	—	
Kinloch, J. P. - -	—	—	3	—	37	—	—	
Knott, F. A. - -	—	—	—	—	12	—	—	
Korentchevsky, V. - -	—	—	31	—	723	—	—	See Cushney, A. R. For Ministry of Pensions.
Laidlaw, P. P. - -	—	12	3	—	8	—	—	
Lamb, F. W. J. A. - -	—	1	3	—	—	—	—	
Lambie, C. G. - -	15	9	—	—	—	5	—	
Langley, J. N. - -	1	2	2	—	—	—	—	
Laws, P. C. W. - -	—	—	—	—	2	—	—	

ENGLAND AND SCOTLAND—continued.

TABLE showing Number of Experiments returned, &c.—continued.

Name of Licensee.	A.—Experiments performed with Anæsthetics.				B.—Experiments of the nature of Simple Inoculations, and the like performed without Anæsthetics.			Remarks.
	Under Licence alone.	Under Certificates.			Under Certificates.			
		C.	B.	B.+EE.	A.	A.+E.	A.+F.	
Lazarus-Barlow, W. S.	—	—	—	—	65	9	—	For Medical Research Council.
Leathes, J. B. -	5	3	—	—	—	—	—	
Ledingham, J. C. G. -	—	—	4	—	64	3	—	
Leiper, R. T. -	—	—	—	—	36	2	—	
Leitch, A. -	—	—	—	—	10	—	—	
Lepper, Miss E. H. -	—	—	31	—	44	—	—	
Levie, A. -	—	—	—	—	2	—	—	
Levy, A. G. -	4	—	—	—	—	—	—	
Lewis, C. J. -	—	—	—	—	183	—	—	
Lewis, T. -	54	—	—	—	—	—	—	
Leyton, A. S. F. -	—	—	—	—	20	—	—	
Leyton, Mrs. H. G. -	—	—	—	—	18	—	—	
Lim, R. K. S. -	25	5	—	—	40	—	—	
Lloyd, E. C. -	—	—	—	—	6	—	—	
Logan, W. R. -	—	—	—	—	33	—	—	
Lovell, C. -	—	—	—	—	5	—	—	
Lowe, E. C. -	—	—	—	—	7	—	—	
Lucas, N. S. -	—	—	—	—	7	—	—	
Lundie, A. -	—	—	—	—	2	—	—	1 for a public health authority.
Lyons, W. C. -	—	—	—	—	1	—	—	
Lyster, R. A. -	—	—	—	—	8	—	—	
McAdam, W. -	—	—	—	—	1	—	—	
McCartney, J. E. -	—	—	—	—	210	—	—	
McCartney, Mrs. M. -	2	—	—	—	16	—	—	
MacConkey, A. T. -	—	—	—	—	1,742	—	—	
McCouch, G. P. -	—	—	1	2	—	—	—	
McDonagh, J. E. R. -	—	—	—	—	4	—	—	
McDowall, R. J. S. -	43	—	—	—	—	—	—	
Macewan, J. A. C. -	—	—	—	—	3	—	—	
McFadyean, Sir J. -	—	—	—	—	105	—	—	
McGowan, J. P. -	—	—	—	—	46	—	—	
McIntosh, James -	—	—	17	—	52	—	—	
Mackay, Miss H. M. M. -	—	—	—	—	23	18	—	
McKendrick, A. -	—	—	—	—	6	—	—	
Mackenzie, J. -	—	—	—	—	4	—	—	
MacLachlen, A. K. -	—	—	—	—	2	—	—	
McLachlan, W. -	—	—	—	—	679	—	—	For Metropolitan Asylums Board. 424 for preparation of serum.
MacLennan, K. -	—	—	—	—	64	—	—	253 for public health authorities.
McLeod, J. W. -	3	—	—	—	304	—	—	
Macnaughton, F. G. -	—	—	—	—	37	—	—	
MacNee, J. W. -	—	—	3	—	50	—	—	
McSwiney, B. A. -	13	—	—	—	—	—	—	
MacWilliam, J. A. -	15	—	—	—	—	—	—	
Mair, W. -	—	—	—	—	181	—	—	
Mallock, A. -	—	—	—	—	68	—	—	
Marchal, Miss J. E. -	—	—	—	—	3,601	—	—	
Markham, R. G. -	—	—	—	—	4	—	—	
Marshall, C. R. -	—	—	—	—	3	—	—	
Marshall, F. H. A. -	—	—	8	—	—	—	—	
Martin C. J. -	—	—	—	—	46	—	—	
Martin, D. -	—	—	—	—	39	—	—	
Martin, E. K. -	—	—	—	9	—	—	—	

ENGLAND AND SCOTLAND—*continued.*TABLE showing Number of Experiments returned, &c.—*continued.*

Name of Licensee.	A.—Experiments performed with Anæsthetics.				B.—Experiments of the nature of <i>Simple Inoculations</i> , and the like, performed without Anæsthetics.			Remarks.
	Under Licence alone.	Under Certificates.			Under Certificates.			
		C.	B.	B.+EE.	A.	A.+E.	A.+F.	
Martin, W. - -	2	—	—	—	104	—	—	For testing and standardising drugs.
Mason-Jones, A. J. -	—	—	—	—	843	—	—	For Joint Committee on Road Tarring and Fisheries.
Matthews, J. C. -	—	—	—	—	2	—	—	
Mayrs, E. B. C. -	—	—	—	—	10	7	—	
Mellanby, E. - -	—	—	—	6	—	27	—	For Medical Research Council, see Higginson, M.
Mellanby, J. - -	28	—	—	—	—	—	—	
Mellanby, Mrs. M. -	—	—	—	—	15	—	—	For Medical Research Council.
Menzies, J. A. -	—	1	—	—	—	—	—	
Miller, A. H. - -	—	—	—	—	239	—	—	236 for a public health authority.
Miller, D. A. - -	—	—	—	—	3	—	—	
Miller, S. - - -	—	—	—	—	1	—	—	
Minett, F. C. - -	—	—	—	—	212	—	—	For Army Veterinary Corps.
Miura, M. - - -	—	—	—	—	6	—	—	
Miyagawa, Y. - -	—	—	7	—	—	—	—	
Miyazaki, H. - -	24	—	—	—	—	—	—	
Mole, R. H. - - -	—	—	—	1	1	—	—	Conjointly with Robinson, A. L.
Moody, L. M. - -	—	—	—	—	3	—	—	
Morgan, W. P. - -	—	—	—	—	6	—	—	
Morris, N. - - -	45	—	—	—	—	—	—	For Medical Research Council.
Mottram, J. C. - -	—	—	23	—	267	—	—	
Mottram, V. H. - -	—	—	—	—	151	—	—	
Muir, R. - - - -	—	—	2	—	—	—	—	
Mukai, G. - - -	31	—	—	—	—	—	—	
Murray, E. G. D. -	—	—	—	—	75	—	2	76 for Medical Research Council.
Murray, J. A. - -	—	—	64	—	3,535	—	—	For Imperial Cancer Research 3,535 conjointly with Cramer W., Drew, A. H., and Russell, B. R. G.
Mutch, N. - - -	—	—	—	—	2	—	—	
Myott, E. C. - - -	—	—	—	—	3	—	—	
Nabarro, D. - - -	—	—	—	—	9	—	—	
Naidu, B. P. B. - -	—	—	—	—	10	—	—	
Nakamura, H. - -	40	—	—	—	—	—	—	
Neame, H. - - -	—	—	—	—	6	—	—	
Neave, S. - - -	—	—	—	—	6	—	—	
Newham, H. B. G. -	—	—	—	—	1	—	—	
Newman, L. F. - -	—	—	—	—	4	—	—	
O'Brien, R. A. - -	—	—	—	—	37	—	—	For preparation of serum.
Ogata, S. - - - -	1	—	14	—	1	—	—	
Okell, C. C. - - -	—	—	10	—	50	—	—	58 for standardisation of drugs.
Orr, D. - - - - -	—	—	4	—	3	—	—	
Orr, J. B. - - - -	33	—	—	—	—	—	—	
Osmond, T. E. - -	—	—	—	—	12	—	—	For Army Medical Service.
Owen, D. R. - - -	—	—	—	3	—	—	—	
Paine, A. - - - -	—	—	—	—	300	—	—	For Cancer Hospital Research.
Pannett, C. A. - -	3	—	2	3	—	2	—	
Panton, P. N. - -	—	—	—	—	46	—	—	31 for a public health authority.
Parnell, Miss O. M. -	—	—	342	—	52	—	—	Inoculations for standardisation of serum.
Passey, R. D. - - -	—	—	—	—	72	—	—	
Paton, D. N. - - -	—	5	—	8	—	20	—	
Patterson, J. H. -	—	—	—	—	163	—	—	For a public health authority.
Pembrey, M. S. - -	—	6	—	—	—	—	—	

ENGLAND AND SCOTLAND—*continued.*TABLE showing Number of Experiments returned, &c.—*continued.*

Name of Licensee.	A.—Experiments performed with Anæsthetics.				B.— <i>Experiments</i> of the nature of <i>Simple Inoc-</i> <i>ulations</i> , and the like, performed without Anæsthetics.			Remarks.
	Under Licence alone.	Under Certificates.			Under Certificates.			
		C.	B.	B.+EE.	A.	A.+E.	A.+F.	
Penfield, W. G. -	7	—	—	24	—	—	—	For Ministry of Agriculture and Fisheries.
Penhale, J. M. L. -	—	—	—	—	98	—	—	
Perry, H. M. J. -	—	—	—	—	95	—	—	For Army Medical Service.
Peters, R. A. -	3	1	—	—	12	—	—	For preparation of serum.
Pethybridge, W. L. -	—	—	—	—	1	—	—	
Petrie, G. F. -	—	—	—	—	376	—	—	
Phillips, J. G. P. -	—	—	—	—	10	—	—	
Pierce, H. F. -	4	—	—	—	3	—	—	
Plimmer, R. H. A. -	—	—	—	—	93	—	—	
Pollock, W. B. I. -	—	—	9	2	—	—	—	
Ponder, C. W. -	—	—	—	—	20	—	—	
Priestley, A. H. -	—	—	—	—	11	—	—	
Profeit, W. J. -	—	—	—	—	17	—	—	
Prudames, W. C. -	—	—	—	—	52	—	—	For a public health authority.
Ralston, Miss H. L. -	—	—	—	—	43	—	—	
Ransom, F. -	4	4	8	—	3	—	—	
Raper, H. S. -	13	8	—	—	—	14	—	
Rashleigh, J. C. S. -	—	—	—	—	3	—	—	
Raw, N. -	—	—	—	—	4	—	—	
Read, W. J. -	—	—	—	—	1	—	—	
Redman, Miss T. -	—	—	—	—	1,615	—	—	
Renshaw, A. -	11	—	—	—	23	—	—	
Rettie, T. -	—	—	—	—	19	—	—	
Ritchie, James -	—	—	—	—	16	—	—	For a public health authority.
Ritchie, John -	—	—	—	—	6	—	—	
Roaf, H. E. -	—	1	—	—	—	—	—	
Roberts, ff. -	25	—	—	—	—	—	—	
Robertson, A. -	—	—	—	—	24	3	—	
Robertson, Miss M. -	—	—	—	—	80	—	—	
Robertson, R. C. -	—	—	—	—	42	—	—	
Robertson, W. F. -	—	—	—	—	60	—	—	
Robinson, A. L. -	—	—	—	—	—	—	—	
Robinson, W. -	6	—	—	—	25	—	—	
Rogers, Sir L. -	—	—	—	—	19	—	—	For public health authorities. For preparation of serum.
Rosher, A. B. -	—	—	—	—	14	—	—	
Ross, Miss S. M. -	—	—	—	—	130	—	—	
Runge, Miss B. F. -	—	—	—	—	4	—	—	
Rushton, W. -	—	—	—	—	52	—	—	
Russ, S. -	—	—	31	—	488	—	—	
Russell, B. R. G. -	—	—	1	—	—	—	—	
Ryrie, B. J. -	—	—	—	—	37	—	—	
Samaan, K. -	—	—	—	—	28	—	—	
Samut, C. -	—	—	—	—	2	—	—	
Sarkar, B. B. -	2	—	16	—	—	—	—	
Sassa, K. -	18	—	—	—	—	—	—	
Savage, W. G. -	—	—	—	—	34	9	—	
Scarborough, Miss E. M. -	—	3	—	—	—	—	—	
Schütze, H. L. H. -	—	—	—	—	449	—	—	
Scott, Miss G. M. -	—	—	375	—	—	—	—	
Scott, J. M. D. -	—	—	—	6	12	—	—	
								For Middlesex Hospital Cancer Research. See Russ, S.

ENGLAND AND SCOTLAND—continued.

TABLE showing Number of Experiments returned, &c.—continued.

Name of Licensee.	A.—Experiments performed with Anæsthetics.				B.—Experiments of the nature of <i>Simple Inoculations</i> , and the like performed without Anæsthetics.			Remarks.
	Under Licence alone.	Under Certificates.			Under Certificates.			
		C.	B.	B.+E.E.	A.	A.+E.	A.+F.	
Scott, S. R. - -	—	—	11	—	—	—	—	For Ministry of Health.
Scott, McD. - -	—	—	13	—	44	—	—	
Sellers, A. - -	—	—	—	—	19	—	—	For Ministry of Health.
Semple, Sir D. - -	—	—	98	—	—	—	—	
Shanks, W. F. - -	2	—	—	—	—	—	—	
Sharpey-Schafer, Sir E. A. - -	8	—	—	—	—	—	—	
Shattock, S. G. - -	—	—	—	2	—	—	—	
Shaw, B. H. - -	—	—	—	—	14	—	—	
Shennan, T. - -	—	—	—	—	11	—	—	Inoculations.
Shera, A. G. - -	—	—	7	—	—	—	—	
Sherrington, C. S. - -	84	7	—	18	—	—	—	
Shōji, R. - -	24	—	—	—	—	—	—	
Sidebotham, E. J. - -	—	—	—	—	1,109	—	—	1,090 for public health authorities.
Sillar, W. C. - -	6	5	—	—	—	—	—	
Simpson, W. J. R. - -	—	—	—	—	22	—	—	
Simson, F. W. - -	—	—	—	—	774	—	—	764 for a public health authority.
Sladden, A. F. S. - -	—	—	—	—	10	—	—	3 for a public health authority.
Smart, W. A. M. - -	—	5	—	—	—	—	—	
Smith, A. N. - -	—	—	—	—	4	—	—	
Smith, J. - -	—	—	—	—	220	—	—	For public health authorities.
Smith, J. F. - -	—	—	—	—	7	—	—	For a public health authority.
Smith, J. Hamilton - -	—	—	—	—	20	—	—	
Smith, J. Henderson - -	—	—	—	—	24	—	—	4 for public health authorities.
Smith, Sir W. R. - -	—	—	—	—	10	—	—	
Soref, Miss E. - -	33	—	—	—	306	—	—	For testing and standardising drugs.
Southgate, H. W. - -	—	—	—	—	17	—	—	
Stammers, A. D. - -	—	—	—	—	71	—	—	
Starling, E. H. - -	4	3	—	—	—	—	—	
Stephenson, Miss M. - -	—	—	—	—	113	—	—	
Stewart, C. H. - -	—	—	—	—	2	—	—	
Stewart, F. H. - -	—	—	—	—	51	—	—	
Stewart, M. J. - -	—	—	2	—	14	—	—	8 for a public health authority.
Stockman, Sir S. - -	—	—	3	—	25	—	—	
Strangeways, T. S. P. - -	—	—	—	—	51	—	—	
Südmersen, H. J. - -	—	—	—	—	629	—	3	For preparation of serum and vaccine.
Sugden, J. H. - -	—	—	—	—	70	—	—	For public health authorities.
Sutherland, P. L. - -	—	—	—	—	371	—	—	For a public health authority.
Symes, W. L. - -	37	1	—	—	608	13	—	For testing and standardising drugs.
Taniguchi, T. - -	—	—	—	—	77	—	—	
Tate, G. - -	1	—	—	—	111	—	—	
Taylor, F. E. - -	—	—	—	—	2	—	—	
Taylor, W. - -	—	—	—	—	1	—	—	
Teacher, J. H. - -	—	—	—	—	4	—	—	
Teale, F. H. - -	10	—	31	—	221	—	—	
Thaysen, A. C. - -	—	—	—	—	38	—	—	50 for a public health authority.
Thomas, G. R. S. - -	—	—	—	—	7	—	—	For Naval Medical Service.
Thomson, J. G. - -	—	—	—	—	19	—	—	For Ministry of Pensions.
Thornton, L. H. D. - -	—	—	—	—	64	—	—	
Tilak, H. V. - -	—	—	—	—	12	—	—	
Tocher, J. W. - -	—	—	—	—	23	—	—	22 for a public health authority.
Topley, W. W. C. - -	—	—	—	—	2,380	—	—	
Tozer, Miss F. M. - -	—	—	—	—	32	—	—	
Trevan, J. W. - -	62	10	—	—	416	—	—	For testing and standardising drugs.

ENGLAND AND SCOTLAND—continued.

TABLE showing Number of Experiments returned, &c.—continued.

Name of Licensee.	A.—Experiments performed with Anæsthetics.				B.—Experiments of the nature of <i>Simple Inoculation</i> , and the like, performed without Anæsthetics.			Remarks
	Under Licence alone.	Under Certificates.			Under Certificates.			
		C.	B.	B.+EE.	A.	A.+E.	A.+F.	
Tulloch, W. J. - -	—	—	—	—	34	—	—	3 for a public health authority 5 for Medical Research Council.
Twort, C. C. - -	—	—	—	—	33	—	—	163 for Medical Research Council.
Twort, F. W. - -	—	—	—	—	176	—	—	
Underhill, S. W. F. -	20	2	—	—	—	—	—	
Urquhart, A. L. -	—	—	—	—	49	—	—	For Army Medical Service.
Varvill, B. - -	—	—	—	—	8	—	—	
Vaughan, E. W. - -	—	—	—	—	3	—	—	
Vevers, G. M. - -	—	—	—	—	5	19	—	
Vincent, S. - -	—	1	—	—	—	—	—	
Walker, E. W. A. - -	—	—	—	—	10	—	—	
Walker, Miss M. L. -	12	4	—	7	—	—	—	
Waller, W. W. - -	1	—	—	—	—	—	—	
Wang, C. Y. - -	4	—	—	—	22	—	—	
Ward, H. K. - -	—	—	—	—	22	—	—	
Warren, S. H. - -	—	—	—	—	7	—	—	For Royal Air Force.
Watson, A. - -	—	3	—	—	—	—	—	
Watson, G. A. - -	—	—	—	—	2	—	—	
Watt, J. M. - -	18	2	—	—	—	—	—	
Weir, H. B. - -	—	—	—	—	33	—	—	
Wenyon, C. M. - -	—	—	—	—	85	—	—	
White, P. B. - -	—	—	—	—	3	—	—	
Whittingham, H. E. -	—	—	—	—	2	—	—	
Wilkie, D. P. - -	—	—	—	10	15	—	—	
Williams, R. S. - -	—	—	—	—	580	—	—	
Wilson, G. H. - -	—	—	—	—	49	—	—	For a public health authority. For Imperial Cancer Research.
Wilson, G. S. - -	—	—	—	—	19	—	—	
Wilson, J. T. - -	—	—	—	—	6	—	—	
Winfield, G. - -	5	—	—	—	—	1	—	
Wingfield, R. C. - -	—	—	—	—	10	—	—	
Wiseman, W. R. - -	—	—	—	—	85	—	—	
Woglam, W. H. - -	—	—	—	—	501	—	—	
Wolf, C. G. L. - -	—	—	—	—	12	—	—	
Wood, G. E. C. - -	—	—	—	—	701	—	—	
Woodhead, Sir G. S. -	—	—	—	—	243	—	—	
Woolley, V. J. - -	—	3	—	—	—	—	—	228 for testing serum.
Wordley, E. - -	—	—	—	—	34	—	—	For Ministry of Agriculture and Fisheries; 2 rabies inoculations.
Wragg, W. G. - -	—	—	2	—	69	—	—	
Wright, Sir A. E. -	—	—	—	—	25	—	—	
Wright, H. D. - -	—	—	—	—	30	—	—	For a public health authority.
Wright, S. - -	4	2	—	—	—	—	—	
Wyatt, R. B. H. - -	—	—	—	—	23	—	—	
Wyon, G. A. - -	—	—	—	—	147	—	—	124 for public health authorities.
Yabe, S. - -	31	—	—	—	—	7	—	63,374
Yamakami, K. - -	—	—	—	—	4	—	—	
Yorke, W. - -	—	—	—	—	9	1	—	
Yoshimoto, M. - -	—	—	—	8	—	—	—	
Young, J. - -	—	—	—	—	53	—	—	
Zilva, S. S. - -	—	—	—	—	571	—	—	
TOTALS - -	2,027	248	4,583	135	63,029	299	46	
	6,993							

I R E L A N D.

R E P O R T.

92, Upper George's Street, Kingstown,
Co. Dublin,

April, 1921.

SIR,

I HAVE the honour to submit herewith a report of the work done in Ireland during the year 1920, under the Act 39 & 40 Vict. c. 77, together with a tabular statement showing the number and nature of experiments performed by each licence-holder.

The number of persons holding licences at the end of 1920 was 37. During the year three new licences were issued, and the renewal of nine others is under consideration.*

The returns of experiments received show that nine licence-holders performed no experiments, while one died during the year.

The following certificates lapsed during the year :—

Five of A.

New certificates were granted as follows :—

Seven of A, two of B, one of C and one of EE.

The appended table shows that 474 experiments were performed by 18 licence-holders, 105 being under licence alone, and 369 under certificate. 335 were simply inoculations under Certificate A. In 43 cases the object of the research was physiological ; in 387 pathological, and 35 had a therapeutic aim.

I have every reason to believe that the holders of licences have obeyed the spirit as well as the letter of the Act, and that experiments have not been unnecessarily multiplied.

I am, Sir,

Your obedient Servant,

M. C. McKenna, M.B.

To the Right Honourable
the Chief Secretary to the
Lord Lieutenant of Ireland.

* Since the above Report was written, these nine licences have lapsed.

IRELAND—continued.

TABLE showing the NUMBER and the NATURE of EXPERIMENTS performed by each LICENSEE during THE YEAR 1920.

Name of Licensee.	Under Licence.	Under Certificate						Remarks.
		A.	B.	C.	E. (with A.)	EE. (with B.)	F.	
Bigger, J. W., M.D., D.P.H.	—	113	—	—	—	—	—	Inoculations.
Boxwell, Wm., M.D.	79	—	—	—	—	—	—	
Brontë, R. M., L.R.C.P. & S.I.	—	9	—	—	—	—	—	Inoculations.
Campbell, S. B. B. M.B., CH. B.	—	—	—	—	—	—	—	Granted Nov. 1920.
Craig, J. F., M.R.C.V.S.	8	18	—	—	—	—	—	Injections.
Crofton, Wm., M.D.	—	—	—	—	—	—	—	
Denham, J. K. - Gregg, Major, R. G. S., R.A.M.C.	—	—	—	—	—	—	—	Died. New licence.
Houston, T., M.D.	—	15	—	—	—	—	—	Injections.
McWeeney, E. J., M.D.	—	—	—	—	—	—	—	
Mason, F. C., M.R.C.V.S.	—	—	6	—	—	—	—	
Milroy, T. H., M.D.	7	—	—	3	—	—	—	
Moore, H. F., M.D.	—	65	—	—	—	—	—	
Morris, J. H., M.R.C.V.S.	—	21	3	—	—	—	—	
O'Connor, J. M., M.D.	8	—	—	—	—	—	—	
O'Farrel, T. T. F.R.C.S.	—	—	—	—	—	—	—	
O'Kelly, W. D., M.D.	—	41	—	—	—	—	—	Inoculations.
O'Sullivan, A. C., M.D.	—	—	—	—	—	—	—	Returned from mili- tary service.
Pringle, H., M.D.	3	—	—	2	—	—	—	
Scott, J. A., M.D.	—	—	—	20	—	—	—	
Stokes, A., M.D., F.R.C.S.I.	—	19	—	—	—	—	—	Injections.
Symmers, W. St. C., M.D.	—	15	—	—	—	—	—	Injections.
Synge, V. M., M.D.	—	8	—	—	—	—	—	Inoculations (new licence).
Walmsley, T., M.D.	—	—	—	—	—	—	—	New licence.
Wigham, J. T., M.D.	—	8	—	—	—	—	—	Inoculations.
Wilson, W. J., M.D., D.Sc.	—	3	—	—	—	—	—	
TOTAL	105	335	9	25	—	—	—	